VPDES PERMIT PROGRAM FACT SHEET

FILE NO: 128

This document gives pertinent information concerning the VPDES Permit listed below. This permit is being processed as a minor municipal permit.

1. **PERMIT NO.**: VA0068209 **EXPIRATION DATE**: November 8, 2009

2. **FACILITY NAME AND LOCAL MAILING ADDRESS**

Chesapeake Regional Airport
2800 Airport Drive
Chesapeake, VA 23323

FACILITY LOCATION ADDRESS (IF DIFFERENT)

1777 West Road
Chesapeake, VA 23323

CONTACT AT FACILITY:
NAME: Mr. Joseph E. Love
TITLE: Airport Manager
PHONE: (757)-432-8110

CONTACT AT LOCATION ADDRESS
NAME: same
TITLE:
PHONE:

3. **OWNER CONTACT**: (TO RECEIVE PERMIT)
NAME: Mr. Joseph E. Love
TITLE: Airport Manager
COMPANY NAME: same
ADDRESS:
PHONE: ( )

CONSULTANT CONTACT:
NAME:
FIRM NAME:
ADDRESS:

PHONE: ( )

4. **PERMIT DRAFTED BY**: DEQ, Water Permits, Regional Office

Permit Writer(s): R. E. Smithson Date(s): 06/17/09, 07/09/09
Reviewed By: M. H. Sauer Date(s): 07/27/09

5. **PERMIT ACTION:**

( ) Issuance (X) Reissuance ( ) Revoke & Reissue ( ) Owner Modification
( ) Board Modification ( ) Change of Ownership/Name [Effective Date:]

6. **SUMMARY OF SPECIFIC ATTACHMENTS LABELED AS:**

Attachment 1	Site Inspection Report/Memorandum
Attachment 2	Discharge Location/Topographic Map
Attachment 3	Schematic/Plans & Specs/Site Map/Water Balance
Attachment 4	TABLE I - Discharge/Outfall Description
Attachment 5	TABLE II - Effluent Monitoring/Limitations
Attachment 6	Effluent Limitations/Monitoring Rationale/Suitable Data/Antidegradation/Antibacksliding
Attachment 7	Special Conditions Rationale
Attachment	Toxics Monitoring/Toxics Reduction/WET Limit Rationale
Attachment	Material Stored
Attachment 8	Receiving Waters Info./Tier Determination/STORET Data/Stream Modeling
Attachment	303(d) Listed Segments
Attachment 9	TABLE III(a) and TABLE III(b) - Change Sheets
Attachment 10	EPA Permit Checklist
Attachment 11	Chronology Sheet
Attachment 12	Correspondence

APPLICATION COMPLETE: 07/07/09 (revisions received)

7. **PERMIT CHARACTERIZATION**: (Check as many as appropriate)

(X) Existing Discharge
( ) Proposed Discharge
(X) Municipal
SIC Code(s) 4581
( ) Industrial
SIC Code(s)
( ) POTW
(X) PVOTW
( ) Private
( ) Federal
( ) State
( ) Publicly-Owned Industrial

(X) Effluent Limited
(X) Water Quality Limited
( ) WET Limit
( ) Interim Limits in Permit
( ) Interim Limits in Other Document
( ) Compliance Schedule Required
( ) Site Specific WQ Criteria
( ) Variance to WQ Standards
( ) Water Effects Ratio
( ) Discharge to 303(d) Listed Segment
( ) Toxics Management Program Required
( ) Toxics Reduction Evaluation
(X) Storm Water Management Plan
( ) Pretreatment Program Required
( ) Possible Interstate Effect
( ) CBP Significant Dischargers List

8. **RECEIVING WATERS CLASSIFICATION**: River basin information.

Outfall No(s): 001

Receiving Stream:	Unnamed tributary to Twelve Foot Ditch to Northwest River
River Mile:	0.84
Basin:	Chowan and Dismal Swamp
Subbasin:	Albemarle Sound
Section:	1a
Class:	III
Special Standard(s):	none
Tidal:	NO
7-Day/10-Year Low Flow:	0 MGD
1-Day/10-Year Low Flow:	0 MGD
30-Day/5-Year Low Flow:	0 MGD
Harmonic Mean Flow:	0 MGD

Stormwater Outfalls 002-005, 905:

RECEIVING WATERS CLASSIFICATION: River basin information.

Outfall No(s): 002, 003, 004

Receiving Stream:	Unnamed tributary to Twelve Foot Ditch to Northwest River
River Mile:	4.10
Basin:	Chowan and Dismal Swamp
Subbasin:	Albemarle Sound
Section:	1a
Class:	III
Special Standard(s):	none
Tidal:	NO
7-Day/10-Year Low Flow:	0 MGD
1-Day/10-Year Low Flow:	0 MGD
30-Day/5-Year Low Flow:	0 MGD
Harmonic Mean Flow:	0 MGD

Outfalls 005

Receiving Stream:	Twelve Foot Ditch to Northwest River
River Mile:	4.19
Basin:	Chowan and Dismal Swamp
Subbasin:	Albemarle Sound
Section:	1a
Class:	III
Special Standard(s):	none
Tidal:	NO
7-Day/10-Year Low Flow:	0 MGD
1-Day/10-Year Low Flow:	0 MGD
30-Day/5-Year Low Flow:	0 MGD
Harmonic Mean Flow:	0 MGD

9. **FACILITY DESCRIPTION:** Describe the type facility from which the discharges originate.

Existing municipal discharge resulting from the discharge of treated domestic sewage.

10. **LICENSED OPERATOR REQUIREMENTS:** ( ) No (X) Yes Class: **Class II**
BPJ: Combination of Biological & Advanced WWTP, design flow-0.010 MGD

11. **RELIABILITY CLASS:** I

12. **SITE INSPECTION DATE:** 05/14/09 **REPORT DATE:** 05/20/09

Performed By: Mark R. Kidd

SEE ATTACHMENT 1

13. **DISCHARGE(S) LOCATION DESCRIPTION:** Provide USGS Topo which indicates the discharge location, significant (large) discharger(s) to the receiving stream, water intakes, and other items of interest.

Name of Topo: Deep Creek/Lake Drummond SE Quads Quadrant No.: 3A & 3D
SEE ATTACHMENT 2

14. **ATTACH A SCHEMATIC OF THE WASTEWATER TREATMENT SYSTEM(S) [IND. & MUN.]. FOR INDUSTRIAL FACILITIES, PROVIDE A GENERAL DESCRIPTION OF THE PRODUCTION CYCLE(S) AND ACTIVITIES. FOR MUNICIPAL FACILITIES, PROVIDE A GENERAL DESCRIPTION OF THE TREATMENT PROVIDED.**

SEE ATTACHMENT 3 (CAN ALSO REFERENCE TABLE I)

15. **DISCHARGE DESCRIPTION:** Describe each discharge originating from this facility.

SEE **TABLE I - SEE ATTACHMENT 4**

16. **COMBINED TOTAL FLOW:**

TOTAL: .01 MGD (for public notice)

PROCESS FLOW: _____ MGD (IND.)

NONPROCESS/RAINFALL DEPENDENT FLOW: _____ (Est.)

DESIGN FLOW: .01 MGD (MUN.)

17. **STATUTORY OR REGULATORY BASIS FOR EFFLUENT LIMITATIONS AND SPECIAL CONDITIONS:**
(Check all which are appropriate)

- X State Water Control Law
- X Clean Water Act
- X VPDES Permit Regulation (9 VAC 25-31-10 et seq.)
- X EPA NPDES Regulation (Federal Register)
- _____ EPA Effluent Guidelines (40 CFR 133 or 400 - 471)
- X Water Quality Standards (9 VAC 25-260-5 et seq.)
- _____ Wasteload Allocation from a TMDL or River Basin Plan

18. **EFFLUENT LIMITATIONS/MONITORING**: Provide all limitations and monitoring requirements being placed on each outfall.

SEE TABLE II - ATTACHMENT 5

19. **EFFLUENT LIMITATIONS/MONITORING RATIONALE**: Attach any analyses of an outfall by individual toxic parameter. As a minimum, it will include: statistics summary (number of data values, quantification level, expected value, variance, covariance, 97th percentile, and statistical method); wasteload allocation (acute, chronic and human health); effluent limitations determination; input data listing. Include all calculations used for each outfall and set of effluent limits and those used in any model(s). Include all calculations/documentation of any antidegradation or anti-backsliding issues in the development of any limitations; complete the review statements below. Provide a rationale for limiting internal waste streams and indicator pollutants. Attach chlorine mass balance calculations, if performed. Attach any additional information used to develop the limitations, including any applicable water quality standards calculations (acute, chronic and human health).

OTHER CONSIDERATIONS IN LIMITATIONS DEVELOPMENT:

VARIANCES/ALTERNATE LIMITATIONS: Provide justification or refutation rationale for requested variances or alternatives to required permit conditions/limitations. This includes, but is not limited to: waivers from testing requirements; variances from technology guidelines or water quality standards; WER/translator study consideration; variances from standard permit limits/conditions.

N/A

SUITABLE DATA: In what, if any, effluent data were considered in the establishment of effluent limitations and provide all appropriate information/calculations.

All suitable effluent data were reviewed.

ANTIDEGRADATION REVIEW: Provide all appropriate information/calculations for the antidegradation review.

The receiving stream has been classified as tier 1; therefore, no further review is needed. Permit limits have been established by determining wasteload allocations which will result in attaining and/or maintaining all water quality criteria which apply to the receiving stream, including narrative criteria. These wasteload allocations will provide for the protection and maintenance of all existing uses: **ATTACHMENT 6**

ANTIBACKSLIDING REVIEW: Indicate if antibacksliding applies to this permit and, if so, provide all appropriate information.

There are no backsliding issues to address in this permit (i.e., limits as stringent or more stringent when compared to the previous permit).

SEE ATTACHMENT 6

20. **SPECIAL CONDITIONS RATIONALE**: Provide a rationale for each of the permit's special conditions.

SEE ATTACHMENT 7

21. **TOXICS MONITORING/TOXICS REDUCTION AND WET LIMIT SPECIAL CONDITIONS RATIONALE**: Provide the justification for any toxics monitoring program and/or toxics reduction program and WET limit.

N/A

22. **SLUDGE DISPOSAL PLAN**: Provide a description of the sludge disposal plan (e.g., type sludge, treatment provided and disposal method). Indicate if any of the plan elements are included within the permit.

This facility utilizes pump and haul to Duck Septage Lagoon. This plan specifies that approximately 1000 gallons of sludge is pumped each 170 - 200 days. This plan has been included in the VPDES application for DEQ approval. The standard special condition pertaining to this plan will be included in Part I of the permit.

23. **MATERIAL STORED**: List the type and quantity of wastes, fluids, or pollutants being stored at this facility. Briefly describe the storage facilities and list, if any, measures taken to prevent the stored material from reaching State waters.

Aviation fuels and lubricants

24. **RECEIVING WATERS INFORMATION**: Refer to the State Water Control Board's Water Quality Standards [e.g., River Basin Section Tables (9 VAC 25-260-5 et seq.). **Use 9 VAC 25-260-140 C (introduction and numbered paragraph) to address tidal waters where fresh water standards would be applied or transitional waters where the most stringent of fresh or salt water standards would be applied.** Attach any memoranda or other information which helped to develop permit conditions (i.e. tier determinations, PReP complaints, special water quality studies, STORET data and other biological and/or chemical data, etc.

SEE ATTACHMENT 8: Tier determination, river mile designation

25 305(b)/**303(d) Listed Segments**: Indicate if the facility discharges to a segment that is listed on the current 303(d) list and, if so, provide all appropriate information/calculations.

TMDLs are not included in this permit as the receiving waters are not listed on the 303(d) list.

26. **CHANGES TO PERMIT**: Use **TABLE III(a)** to record any changes from the previous permit and the rationale for those changes. Use **TABLE III(b)** to record any changes made to the permit during the permit processing period and the rationale for those changes [i.e., use for comments from the applicant, VDH, EPA, other agencies and/or the public where comments resulted in changes to the permit limitations or any other changes associated with the special conditions or reporting requirements].

SEE ATTACHMENT 9

27. **NPDES INDUSTRIAL PERMIT RATING WORKSHEET:**

N/A - This is a municipal facility.

28. **DEQ PLANNING COMMENTS RECEIVED ON DRAFT PERMIT**: Document any comments received from DEQ planning.

The discharge is not addressed in any planning document but will be included when the plan is updated.

29. **PUBLIC PARTICIPATION:** Document comments/responses received during the public participation process. If comments/responses provided, especially if they result in changes to the permit, place in the attachment.

VDH/DSS COMMENTS RECEIVED ON DRAFT PERMIT: Document any comments received from the Virginia Dept. of Health and the Div. of Shellfish Sanitaiton and noted how resolved.

The VDH provided comments by letter dated June 12, 2009: recommended a minimum Reliability class of III (Reliability class I is required by the permit).

VDH waived their right to comment and/or object on the adequacy of the draft permit.

The DSS provided comments by letter dated June 15, 2009: the project will not affect shellfish growing waters.

EPA COMMENTS RECEIVED ON DRAFT PERMIT: Document any comments received from the U.S. Environmental Protection Agency and noted how resolved.

EPA waived the right to comment and/or object to the adequacy of the draft permit.

ADJACENT STATE COMMENTS RECEIVED ON DRAFT PERMIT: Document any comments received from an adjacent state and noted how resolved.

Not Applicable.

OTHER AGENCY COMMENTS RECEIVED ON DRAFT PERMIT: Document any comments received from any other agencies (e.g., VIMS, VMRC, DGIF, etc.) and noted how resolved.

Not Applicable.

OTHER COMMENTS RECEIVED FROM RIPARIAN OWNERS/CITIZENS ON DRAFT PERMIT: Document any comments received from other sources and note how resolved.

The application and draft permit have received public notice in accordance with the VPDES Permit Regulation, and no comments were received.

PUBLIC NOTICE INFORMATION: Comment Period: Start Date 8/28/09
End Date 9/28/09

Persons may comment in writing or by e-mail to the DEQ on the proposed issuance/reissuance/modification of the permit within 30 days from the date of the first notice. Address all comments to the contact person listed below. Written or e-mail comments shall include the name, address, and telephone number of the writer, and shall contain a complete, concise statement of the factual basis for comments. Only those comments received within this period will be considered. The Director of the DEQ may decide to hold a public hearing if public response is significant. Requests for public hearings shall state the reason why a hearing is requested, the nature of the issues proposed to be raised in the public hearing and a brief explanation of how the requestor's interests would be directly and adversely affected by the proposed permit action.

All pertinent information is on file and may be inspected, and arrangements made for copying by contacting R. E. Smithson at: Department of Environmental Quality (DEQ), Tidewater Regional Office, 5636 Southern Boulevard, Virginia Beach, VA 23462. Telephone: 757-518-2106 E-mail: robert.smithsonjr@deq.virginia.gov

Following the comment period, the Board will make a determination regarding the proposed reissuance. This determination will become effective, unless the Director grants a public hearing. Due notice of any public hearing will be given.

30. **ADDITIONAL FACT SHEET COMMENTS/PERTINENT INFORMATION:**

The discharge is approximately 10 miles upstream from the City of Chesapeake's potable water intake on the Northwest River. No problems have been reported as a result of this discharge and VDH comments indicate that "this should be a sufficient distance to minimize the impacts of the discharge". This is the rationale for requiring fecal coliform monitoring vs. e. coli.

This facility does not conduct de-icing operations. It does allow plane washing activities near a storm drain drop inlet that discharges to outfall 005. Standard car wash limitations have been placed on this outfall.
This permit does not include a TMP.

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ATTACHMENT 1

SITE INSPECTION REPORT/MEMORANDUM

Facility	CHESAPEAKE MUNICIPAL AIRPORT
County/city	CHESAPEAKE, VA

VPDES NO.	VA0068209

8

DEPARTMENT OF ENVIRONMENTAL QUALITY
WASTEWATER FACILITY
INSPECTION REPORT
PART 1

Inspection date:	**May 14, 2009**	Date form completed:	**May 20, 2009**
Inspection by:	**Mark R. Kidd**	Inspection agency:	**DEQ/TRO**
Time spent:	**6 hours**	Announced Inspection:	[ ] Yes [x] No
Reviewed by: **Kenneth T. Raum** KTR		Photographs taken at site?	[x] Yes [ ] No
Present at inspection:	**Joe Love – Airport Manager, Wesley Warren - Operator**		

FACILITY TYPE:	FACILITY CLASS:
(✓) Municipal	( ) Major
( ) Industrial	( ) Minor
( ) Federal	(✓) Small
( ) VPA/NDC	( ) High Priority ( ) Low Priority

TYPE OF INSPECTION:

Routine	X	Reinspection		Compliance/assistance/complaint	
Date of previous inspection:	**March 12, 2009**	Agency:	**DEQ/TRO**		

Population Served:		Connections Served						
Last Month Average Influent:	BOD_5 (mg/l)		TSS (mg/l)		Flow (MGD)			
	Other:							
Last Month Average Effluent: Maximum Daily Effluent:	BOD_5 (mg/l)	**6.59**	TSS (mg/l)	**2.8**	Flow (MGD)	**0.0043**	NH_3 (mg/l)	**1.03**
	Other:							
Last Quarter Average Effluent:	BOD_5 (mg/l)		TSS (mg/l)		Flow (MGD)		NH_3 (mg/l)	
	Other:							

Data verified in preface:	Updated?		NO CHANGES?		✓
Has there been any new construction?		YES		NO	✓
If yes, were the plans and specifications approved?		YES		NO	na
DEQ approval date:	**na**				

COPIES TO: (x) DEQ/TRO; (x) DEQ/OWCP; (x) OWNER; ( ) OPERATOR; ( ) EPA-Region III; ( ) Other:

SUMMARY

INSPECTION COMMENTS:

Arrived on site and met with Airport Manager Joe Love. The Storm Water Pollution Prevention Plan (SWP3) and associated documents were reviewed with the following noted:

1. The SWP3 was updated in June 2002.

2. Facility inspections are performed on a weekly basis.

3. Quarterly Visual Examinations of Storm Water Quality (QVESWQ) records were available for 2009. The examinations are documented as Storm Water Outfall inspections but do not meet the requirements as specified in Part I.E.1 (page 10) of the Permit. Examinations are not performed in conjunction with a qualifying storm event. A check of weather records for Chesapeake Municipal Airport (KCPK) do not document precipitation on the dates the inspection records indicate.

4. Comprehensive Site Compliance Evaluations were not completed and documented as required by Part I.E.3.d(4) (page 18) of the Permit.

5. Training is performed annually as specified in the SWP3.

Site surveys of the airport grounds and the wastewater treatment plant were performed with the assistance of Joe Love and Wesley Warren, respectively. All of the outfalls discharge to ditch system (Photo 1) parallel to the runway. With the vegetation obscuring the actual outfall, the location where Quarterly Visuals Examination of Storm Water are performed is not apparent. In your response to this report, describe where the QVESWQ are performed in relation to the actual outfall. The plane wash area (Photo 3) drains to a drop inlet that leads to an oil-water separator and discharges via Outfall 005. The fuel tanks are enclosed by a containment berm (Photo 2). The waste oil tank inside the berm appeared to be leaking or used haphazardly. Oil was noted on the floor of the containment area. This must be cleaned immediately to prevent a discharge of the oil when the containment area is drained. The discharge from the treatment plant appeared clear and the plant is maintained satisfactorily (Photos 4-6). The alarm system at the pump station is not operating and must be repaired.

COMPLIANCE RECOMMENDATIONS FOR ACTION

Perform Quarterly Visual Examinations of Storm Water Quality as specified by Part I.E.a of the Permit.

Complete and document a Comprehensive Site Compliance Evaluation annually.

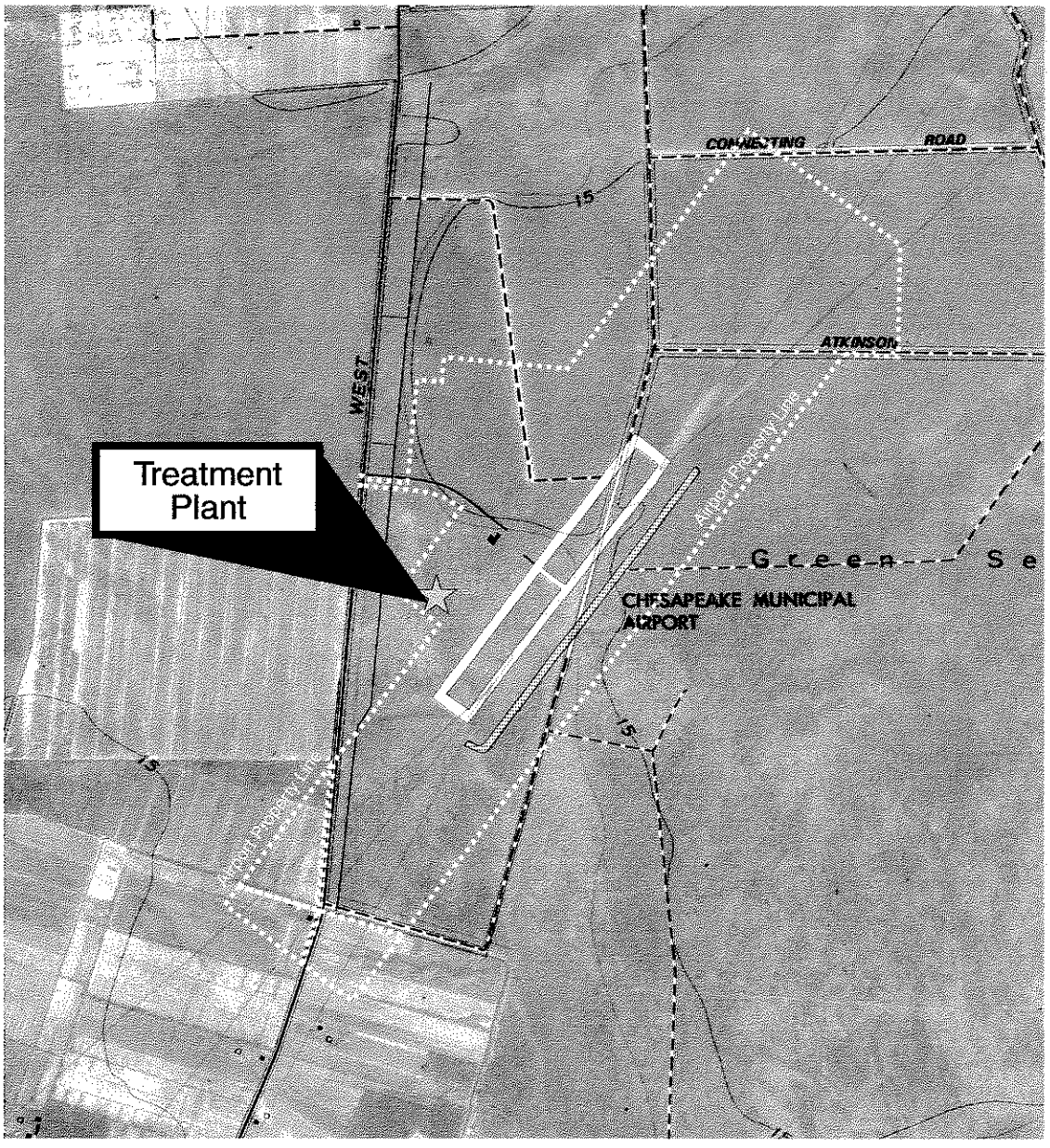
Repair the alarm system for the pump station.

Document facility inspections.

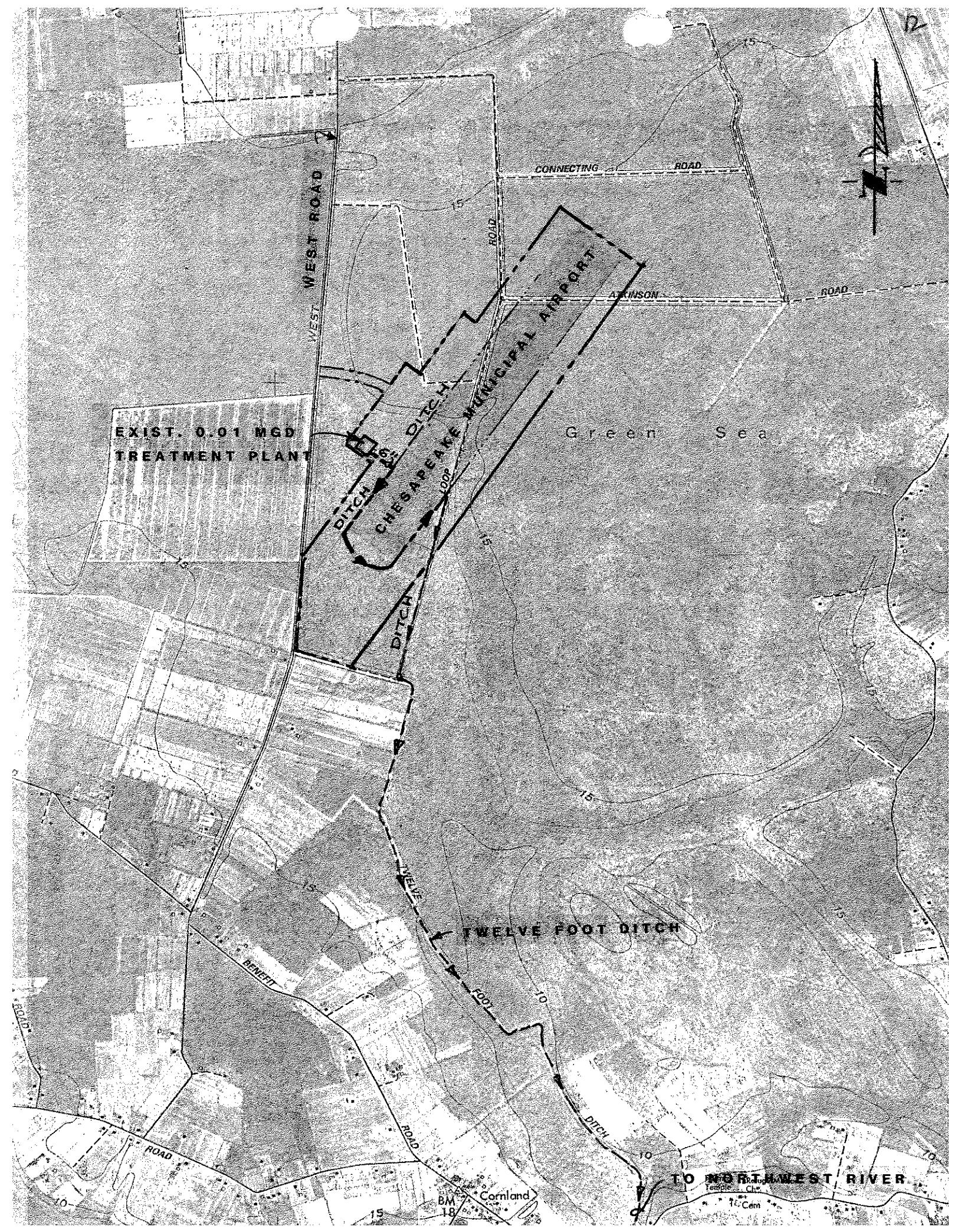
Clean the oil spill in the containment berm.

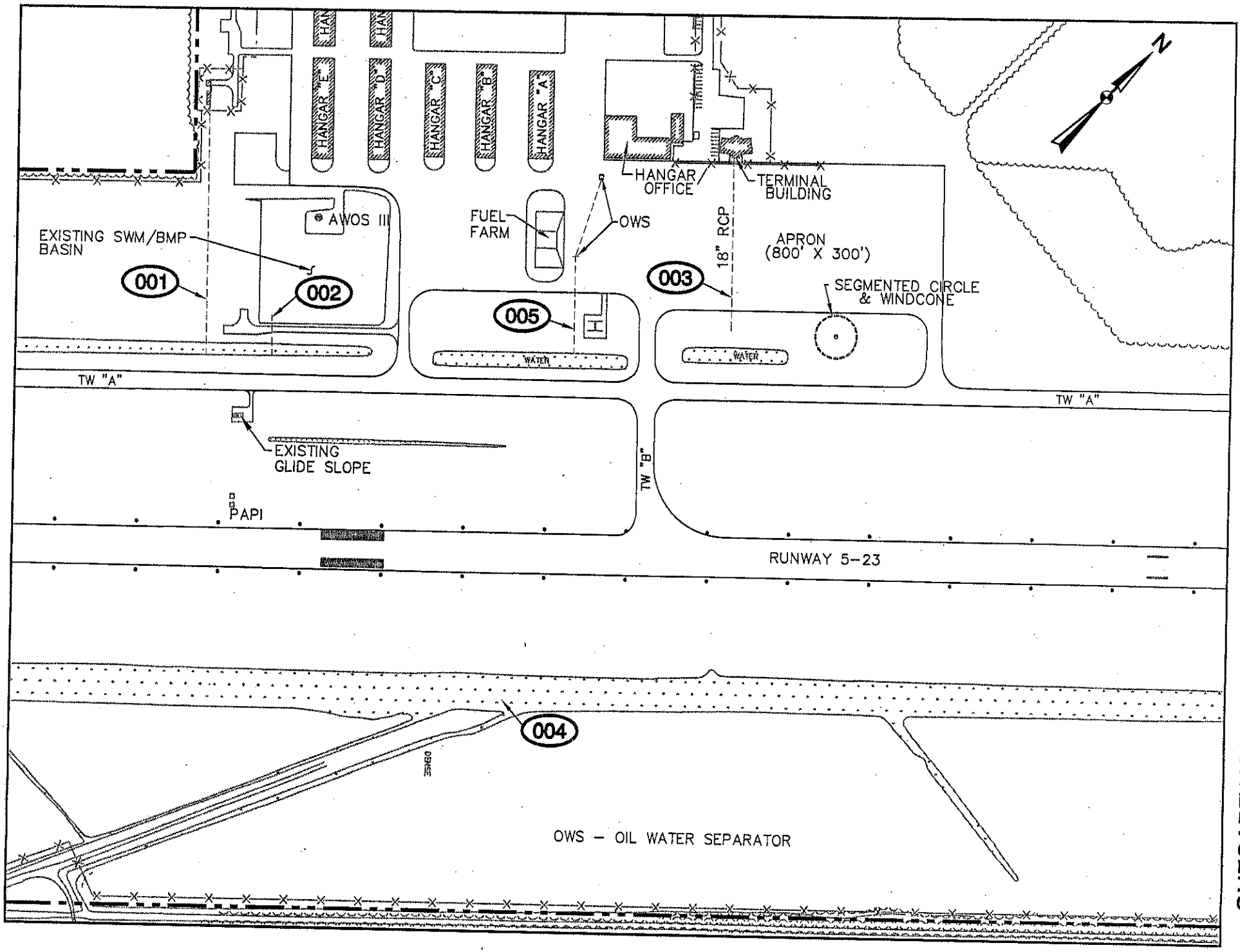
ATTACHMENT 2

DISCHARGE LOCATION/TOPOGRAPHIC MAP



DEEP CREEK 3A
TO LAKE Drummond 3D


EXIST. 0.01 MGD
TREATMENT PLANT
WEST ROAD
CONNECTING ROAD
ROAD
ATKINSON ROAD
CHESAPEAKE MUNICIPAL AIRPORT
DITCH
DITCH
DITCH
LOOP
Green Sea
TWELVE FOOT DITCH
TWELVE FOOT DITCH
BENEFIT ROAD
ROAD
ROAD
Cornland
BM 18
TO NORTHWEST RIVER
15
10

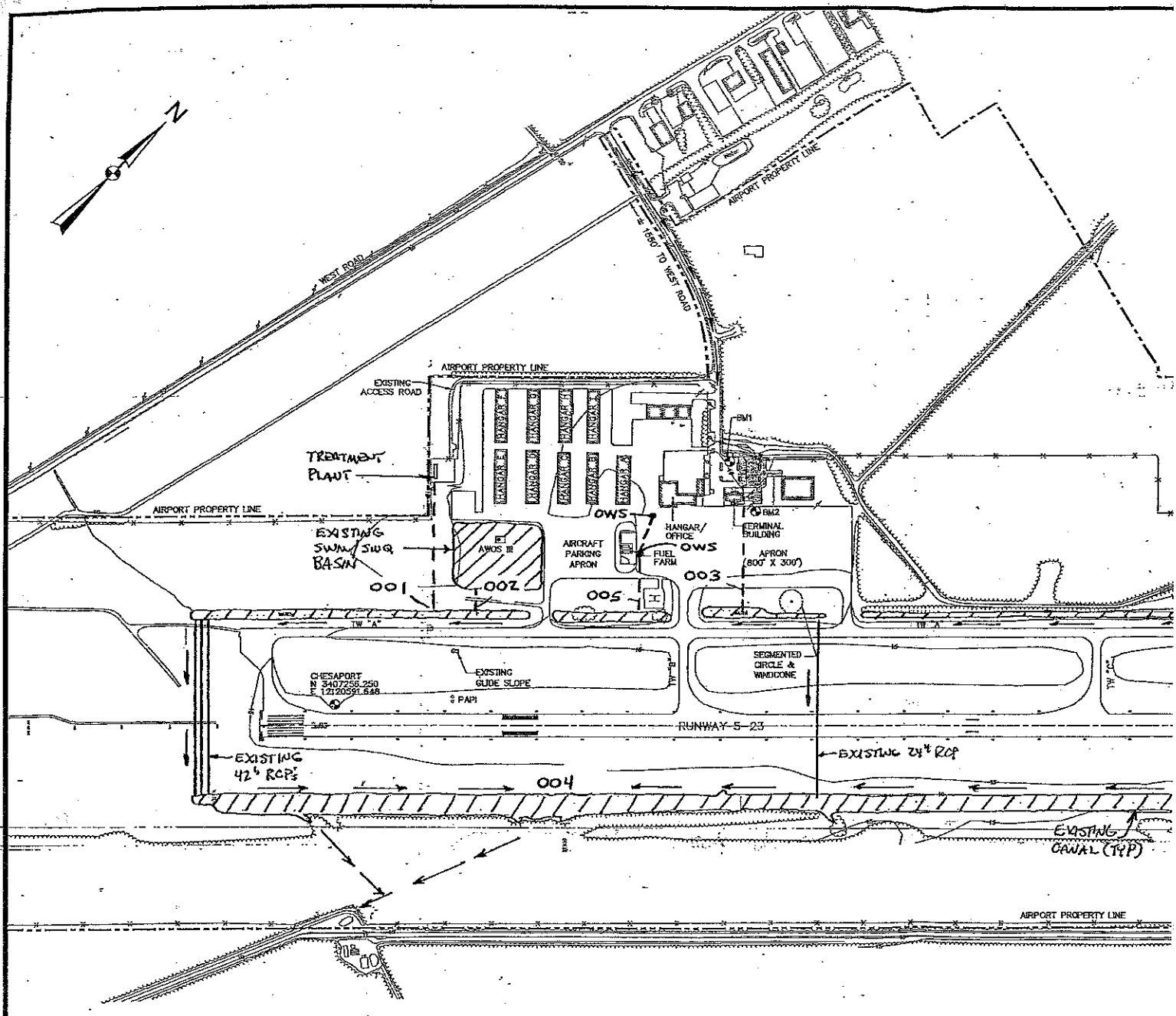


CHESAPEAKE REGIONAL AIRPORT

Chesapeake Regional Airport WWTP
VA0068209

ATTACHMENT 3

SCHEMATIC/PLANS & SPECS/SITE MAP/

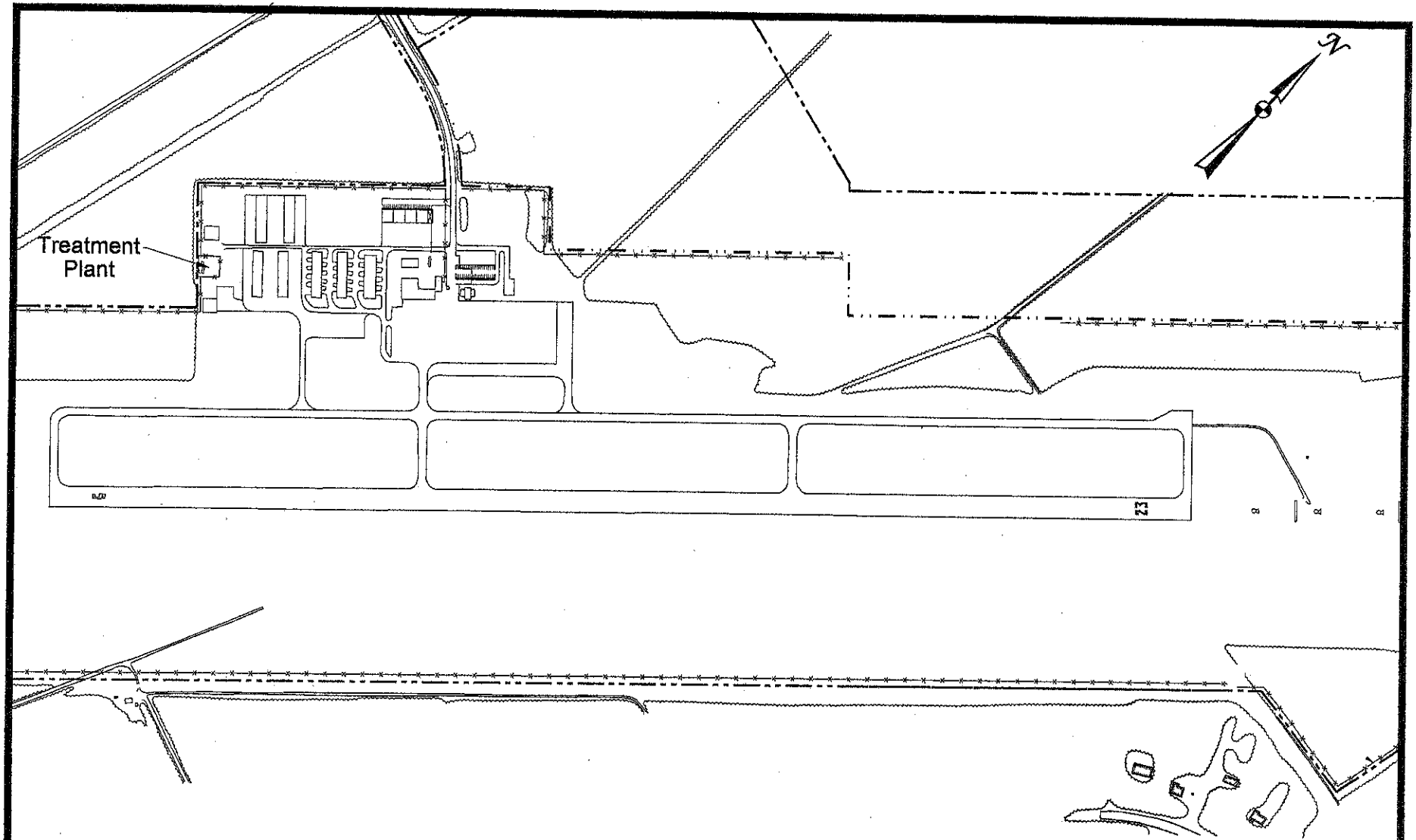


CHESAPEAKE REGIONAL AIRPORT

SCALE: 1" = 500'

MAY 1, 2009

VA00682009



AIRPORT DIAGRAM

CHESAPEAKE MUNICIPAL AIRPORT

SCALE: 1"=700' | DATE: APRIL 1999

TALBERT&BRIGHT

ENGINEERING & PLANNING CONSULTANTS
10105 KRAUSE ROAD, SUITE 100
CHESTERFIELD, VIRGINIA 23832
PHONE: 804-768-6878 FAX: 804-768-6871

ATTACHMENT 4

TABLE I-Discharge/Outfall Description

TABLE I

NUMBER AND DESCRIPTION OF OUTFALLS

OUTFALL NO.	DISCHARGE LOCATION	DISCHARGE SOURCE (1)	TREATMENT (2)	FLOW (3)
001	N36°39'48.8" W76°19'40.7"	Domestic wastewater for airport buildings	Treatment consists of a bar screen, comminutor, surge tank, sludge holding tank, activated sludge package plant (extended aeration), clarification, chlorination/dechlor Sludge is pumped/hauled to a septage lagoon.	.010 MGD
002	N36° 39'44.8" W76°19'33.9"	Stormwater runoff From t-hanger & apron area	Settling (SWM basin)	stormwater -unknown
003	N36°39'53.4" W76°19'25.5"	Stormwater runoff From parking apron & fueling area	Oil-water seperator	stormwater -unknown
004	N36°39'43.8" W76°19'20.6"	Stormwater runoff From airport property	Canal/settling basin	stormwater -unknown
005	N36°39'43.6" W76°19'20.7"	Process discharge From plane washing activities	Oil-water seperator(s)	-unknown

(1) List operations contributing to flow
(2) Give brief description, unit by unit
(3) Give maximum 30-day average flow for industry and design flow for municipal

ATTACHMENT 5

TABLE II - EFFLUENT MONITORING/LIMITATIONS

TABLE II - MUNICIPAL EFFLUENT LIMITATIONS/MONITORING
ATTACHMENT 5

OUTFALL # 001 DESIGN FLOW: .010 MGD
Outfall Description: Domestic wastewater from a small regional airport (buildings)
SIC CODE: 4581

(X) Final Limits ( ) Interim Limits Effective Dates - From: Issuance To: Expiration

PARAMETER & UNITS	BASIS FOR LIMITS	DESIGN FLOW MULTI-PLIER	EFFLUENT LIMITATIONS				MONITORING REQUIREMENTS	
			MONTHLY AVERAGE	WEEKLY AVERAGE	MINIMUM	MAXIMUM	FREQUENCY	SAMPLE TYPE
Flow (MGD)[a]	3	.010	NL	NA	NA	NL	1/Day	Estimated
pH (S.U.)	3		NA	NA	6.0	9.0	1/Day	Grab
BOD5 (mg/l)	3		20	30	NA	NA	1/Month	Grab
BOD5 (kg/d)	3	.010	0.76	1.1	NA	NA	1/Month	Grab
TSS (mg/l)	3		20	30	NA	NA	1/Month	Grab
TSS (kg/d)	3	.010	0.76	1.1	NA	NA	1/Month	Grab
TRC (ug/l)[b][c]	2		8.0	9.6	NA	NA	1/Day	Grab
Fecal Coliform (N/CML)	2		200	NA	NA	NA	1/Month (Between 10am & 4pm)	Grab
D.O. (mg/l)	3		NA	NA	6.0	NA	1/Day	Grab
Ammonia N(NH4-N)(mg/l)[c]	2		3.4	3.4	NA	NA	1/Month	Grab

TABLE II - MUNICIPAL EFFLUENT LIMITATIONS/MONITORING
ATTACHMENT 5
Continued...

OUTFALL # 001 DESIGN FLOW: .010 MGD
Outfall Description: Domestic wastewater from a small regional airport (buildings)
SIC CODE: 4581

[a] See Part I.C.5. for exceeding 95% of the design capacity 3 months consecutively.

[b] See Part I.B. for other total residual chlorine limitations and bacterial effluent limitations, if applicable

[c] See Parts I.C.6. and I.C.7. for quantification levels and reporting requirements, respectively.

NA = NOT APPLICABLE; NL = NO LIMIT, MONITORING REQUIREMENT ONLY
Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

The bases for the limitations codes are:
1. Technology (e.g., Federal Effluent Guidelines)
2. Water Quality Standards (9 VAC 25-260 et. seq.)
3. Best Professional Judgment

TABLE II - MUNICIPAL EFFLUENT LIMITATIONS/MONITORING
ATTACHMENT 5
Continued...

PART I

OUTFALLS 002, 003, 004 - STORM WATER DISCHARGES:

A. LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) serial number(s): 002 (T-hanger area), 003 (fueling area), 004 (parking apron and fueling area) and prior to 005 (previously outfall 905: drainage from airport property).

   Such discharges shall be limited and monitored by the permittee as specified below:

THESE OUTFALLS SHALL CONTAIN STORM WATER RUNOFF ASSOCIATED WITH A REGULATED INDUSTRIAL ACTIVITY WHERE NO CHEMICAL MONITORING IS REQUIRED. THERE SHALL BE NO DISCHARGE OF PROCESS WASTEWATER FROM THESE OUTFALLS.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.
3. See Part I. E. for additional storm water monitoring and plan requirements.

TABLE II - MUNICIPAL EFFLUENT LIMITATIONS/MONITORING
ATTACHMENT 5
Continued...

PART I

OUTFALL 005: PLANE WASHING ACTIVITIES

A. LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge wastewater generated from plane washing activities to outfall number 005.

Such discharges shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
	Minimum	Maximum	Frequency	Sample Type
Flow (GPD) [a]	NA	NL	1/Month	Estimate
pH (S.U.)	6.0	9.0	1/Month	Grab
TSS (mg/l) [b]	NA	60	1/Month	Grab
Oil and Grease (mg/l) [b]	NA	15	1/Month	Grab

NL - No Limitation, monitoring requirement only
NA - Not applicable

Grab - Sample to be taken when plane washing activities are contributing to the discharge. A sign shall be posted at the designated plane washing area to notify management 24 hrs. in advance of the event so that sampling arrangements can be made. Every effort should be made to sample the first plane washing activity of each month.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

[a] See Part I.D. for other conditions or limitations concerning this activity.
[b] See Parts I.C.6. and I.C.7. for quantification levels and reporting requirements, respectively..

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

TABLE II - MUNICIPAL MINOR EFFLUENT LIMITATIONS
Attachment 5 continued

Outfall 001:
Final Chlorine Limitations Effective Dates - From: permit issuance To: permit expiration

TRC **	AFTER CL2 CONTACT TANK (Dechlor. Required)			AFTER DECHLORINATIO		AFTER CL2 CONTACT TANK (Dechlor. Not Required)				
	MIN.	EXC.	INST. MIN.	WKLY AVG.	INST. MAX.	PERMIT RANGE	EXC.	REPORT-ING RANGE	EX C.	TECH. MAX.
a) Non-Detect. Dechlor. Required	**1.0**	**3**	**0.6 mg/l**	**9.6 ug/l**	---	NA	NA	NA	NA	NA
b) Detect. Dechlor. Required	---	---	---	---	---	NA	NA	NA	NA	NA
c) No Dechlor.	NA	NA	NA	NA	NA	---	---	---	---	---

*Totalizing, Indicating & Recording Equipment

** --Chlorine mass balance Cw (W for Tidal systems): check one
__X__ a) $C_w < 0.1$ mg/l [dechlor. required, non-detectable format]
_____ b) 0.1 mg/l $\leq C_w <$ 2.0 mg/l (2.5 mg/l for PWS, Shellfish waters) [dechlor. required, detectable format]
_____ c) $C_w > 2.0$ mg/l (2.5 mg/l for PWS, Shellfish waters) [dechlor. not required, include a restrictive technology max. value]

The design flow of this treatment facility is 0.010 MGD.

NA = NOT APPLICABLE; NL = NO LIMIT, MONITORING REQUIREMENT ONLY

See Part I.B. for additional TRC limitations.

Chesapeake Regional Airport WWTP
VA0068209

ATTACHMENT 6

EFFLUENT LIMITATIONS/MONITORING RATIONALE/SUITABLE DATA/ ANTIDEGRADATION/ANTIBACKSLIDING

ATTACHMENT 6

VPDES PERMIT PROGRAM

Rationale for Effluent Limitations and Monitoring

Monitoring frequency for BOD5, TSS and ammonia will be 1/month and all other parameters, with the exception of fecal coliform (1/month), will be monitored 1/Day, based upon a design flow of 0.010 MGD and best professional judgment.

BOD/TSS/pH and D.O. limitations were based upon best professional judgment and past water quality monitoring results (reference attachment 8, pages 34-35 for details and basis). TRC, fecal coliform and ammonia limitations were based upon water quality standards and/or modeling results.

OUTFALL 001 - Municipal treatment and Discharge

Flow: No limit; monitoring 1/day, estimate - standard requirement for a municipal permit with this design flow.

pH: Minimum of 6.0 s.u., maximum of 9.0 s.u. - BPJ to protect water quality in the receiving stream.

BOD5
& TSS: Monthly average limit of 20 mg/l (0.76 kg/d) and a weekly average limit of 30 mg/l (1.1 kg/d) were based upon best professional judgment (water quality monitoring results and no WQ problems indicated (reference attachment 8, pages 34-35 for details and basis); grab sample

Ammonia-N: Monthly and weekly average limit of 3.4 mg/l was based upon the most recent water quality modelling for toxics (OWPP Guidance 00-2011) - reference attachment 8, pages 36-42 for details); The facility's historical data base indicates that it can consistently meet this tighter limit, therefore a compliance schedule is unnecessary; grab sample.

D.O.: Limit of 6.0 mg/l minimum - BPJ; grab sample.

Fecal Coliform: monthly average limit of 200 N/CML is per water quality standards (9 VAC 25-260-170) placed in this permit as a check/precautionary measure of adequacy of chlorine disinfection to protect a public water supply in the watershed; grab sample; 1/Month (between 10am-4pm)

TRC: Limits of 8.0 ug/l monthly average and 9.6 ug/l weekly average are included in this permit based upon past and present modeling results (reference attachment 8, pages 37-42). This is in accordance with the VPDES Permit Manual and OWPP Guidance 00-2011. Demonstration studies by other permittees have shown that chlorine is an adequate surrogate for measuring compliance with the bacteria standards (effective disinfectant for e. coli and other pathogens). Therefore, appropriate Cl2 limitations at this facility preclude the need for an e. coli limitation. Alternative disinfection methodologies require an e. coli limit as stipulated in Part 1. B. of the permit.

TMDLs are not included in this permit.

Outfalls 002, 003, 004: Storm Water Discharges

These outfalls authorize the discharge of storm water from a regulated activity which DOES NOT require monitoring (in accordance with OWRM Guidance Memo No. 93-010A). As with the previous permit, a storm water management plan will be required (pollution prevention plan).

Outfall 005 - Discharge wastewater generated from plane washing activities:

Parameter	Minimum	Maximum	Monitoring Frequency	Sample Type
Flow (GPD)[a]	NA	NL	1/Month	Estimate
pH (S.U.)	6.0*	9.0*	1/Month	Grab
TSS (mg/l)[b]	NA	60	1/Month	Grab
Oil and Grease (mg/l)	NA	15	1/Month	Grab

Limitations were based upon standard GP car wash limitations. The pH limitation is based upon Virginia's stream water quality standards (9 VAC 25-260-50 et seq. and 9 VAC 25-260-380 et seq.). The total suspended solids and oil/grease parameters are based on best engineering judgment

ATTACHMENT 6

VPDES PERMIT PROGRAM

Rationale for Effluent Limitations and Monitoring
Continued.....

for the type of treatment employed by these systems. Complying with these parameters is an indication that the treatment system is being operated and maintained properly and is producing an acceptable quality effluent.

Monitoring frequencies and sample type are based upon BPJ.

ANTIDEGRADATION REVIEW

The receiving stream has been classified as tier 1; therefore, no further review is needed. Permit limits have been established by determining wasteload allocations which will result in attaining and/or maintaining all water quality criteria which apply to the receiving stream, including narrative criteria. These wasteload allocations will provide for the protection and maintenance of all existing uses.

There are ***no antibacksliding issues*** to address.

Fred
I believe we ought to obtain the needed
Data - Stop the discharge or stopping and continue monitoring
for a year or two and we will evaluate data
from seasonal period

Fred Holt OWRM

38

MEMORANDUM

VIRGINIA WATER CONTROL BOARD

TIDEWATER REGIONAL OFFICE

Pembroke Two - Suite 310 Virginia Beach, VA 23462

OP 6-13-89

SUBJECT: Chesapeake Municipal Airport Permit Reissuance-VPDES No. VA0068209: Ambient Water Quality Data vs. Freeflow Modeling (probably yeilding stricter limits).

TO: Fred Holt, OWRM

FROM: R. E. Smithson, TRO

DATE: ~~April 06~~, 1989
June 07

COPIES: File

RECEIVED JUN 1989 VA WATER CONTROL BOARD

The referenced facility presently has 20/20 limits and a special condition for in-stream monitoring of the intermittent (dry weather) receiving ditch. Staff based limitations upon best professional judgement (20/20) because it was determined that the nature of the receiving stream (dry ditch) did not lend itself to mathematical modeling. The monitoring program was deemed appropriate in view of the fact that 10 miles downstream is a public water supply intake (Northwest River-Chesapeake Water Treatment Plant). The monitoring program was to give several years background data and continue for at least one year after plant start-up, but was inadvertently discontinued after six months of discharge when the facility switched lab contracts. That data is attached with discharge monitoring data highlighted. Critical data from summer months is not available. enforcement

The treatment facility consists of an activated sludge package plant with chlorination and dechlorination. Flow, however, is much below design flow (~~.02~~ .01 MGD) which dictates that they batch treat the discharge. Average flow is presently about .003 MGD which flows to a field ditch several thousand feet long before entering a borrow pit or lake on the facility property. The borrow pit was created to obtain fill dirt for runway construction. The result is an impoundment approximately 50 ft. wide, 1/2 mile long, and 3 to 5 ft. deep. During dry weather that volume may be considerably less. The lake then discharges to an unnamed ditch which leaves the facility property and flows for about 1/2 mile before entering another ditch called 12 foot ditch (15 ft. wide, 2 ft. deep) that eventually enters Northwest River. A map is attached.

Staff requests guidance in reissuance of the referenced permit. Should limits remain 20/20 with an approved water quality monitoring program (giving us more meaningful data than previously submitted) or should limitations be dictated by a freeflow model which will probably result in 10/10 limits since the batch discharge is to an intermittently flowing, dry ditch with minimal dilution water. Water quality problems have not been observed or reported during the past permit period (issued 10/84). Please respond by ~~April 15th~~, if possible.
JUNE 21st

C6

Chesapeake Municipal Airport

In-stream monitoring summary for D.O & NH3

pH	Temp °C		C.M.A.1 D.O. (downstream discharge)	C.M.A.2 D.O.	BOD_5 (CMA1)	NH_3 (CMA1)
7.1	13	Jan '90	8.7	8.6	4	<.1
7.0	9	Feb	10.3	11.2	<1	<.1
6.8	10	Mar	10.0	10.4	<1	.2
5	21	April	12.0	9.9	14	.10
2	17	May	8.9	9.0	4	<.10
14	24	June	8.7	8.4	7	<.05
2	23	July	8.3	7.0	8	.17
1.3	24	Aug	8.0	8.0	6	.20
8.8	22	Sept	7.8	7.5	5	.05
7.6	20	Oct	7.9	7.9	10	.06
7.9	16	Nov	6.8	7.0	11	1.4
7.2	13	Dec	11.7	12.3	9	.42
		Jan '91			avg 6.7	avg .25

Conclusion: Permit Limitations of 20/20 are protecting state waters.

7/27/04 3:10:38 PM

Facility = Chesapeake Regional Airport
Chemical = Ammonia
Chronic averaging period = 30
WLAa = 7.3
WLAc = 1.7
Q.L. = 0.2
# samples/mo. = 1
# samples/wk. = 1

Summary of Statistics:

observations = 1
Expected Value = 9
Variance = 29.16
C.V. = 0.6
97th percentile daily values = 21.9007
97th percentile 4 day average = 14.9741
97th percentile 30 day average= 10.8544
< Q.L. = 0
Model used = BPJ Assumptions, type 2 data

A limit is needed based on Chronic Toxicity
Maximum Daily Limit = 3.43003915880773
Average Weekly limit = 3.43003915880773
Average Monthly LImit = 3.43003915880773

The data are:

9

7/27/04 3:21:52 PM

Facility = Chesapeake Regional Airport
Chemical = Chlorine
Chronic averaging period = 4
WLAa = 19
WLAc = 11
Q.L. = 100
# samples/mo. = 30
# samples/wk. = 7

Summary of Statistics:

observations = 1
Expected Value = 300
Variance = 32400
C.V. = 0.6
97th percentile daily values = 730.025
97th percentile 4 day average = 499.137
97th percentile 30 day average= 361.815
< Q.L. = 0
Model used = BPJ Assumptions, type 2 data

A limit is needed based on Chronic Toxicity
Maximum Daily Limit = 16.0883226245855
Average Weekly limit = 9.8252545713861 9.8 ug/L X
Average Monthly LImit = 7.9737131838758 8.0 ug/L ✓

The data are:

300 ug/L BPJ

current weekly avg. limit of 9.6 is more strict - antibacksliding regulations preclude giving a less strict limit.

Water Quality Standards and Wasteload Allocations

Permittee:	Chesapeake Airport	Flows (MGD):	Design	0.01		90th % stream pH	7.84	MIX% for chronic WLA	100
Permit No.	VA0088209		7Q10	0	(chronic)	10th % stream pH	7	MIX% for acute WLA	100
Receiving Stream:	X Trib to 12 Ditch		1Q10	0	(acute)	90th % stream temp	23.8		
WQ Tier	1 (1 or 2)		30Q5	0	(human health - noncarcinogen)	mean effluent hardness	100		
Public Water Supply?	2 (1 = yes, 2 = no)		HM	0	(human health - carcinogen)	mean stream hardness	50	(note: 25 mg/l minimum)	

Parameter	Background	Water Quality Standard				Wasteload Allocations				Antidegradation Baseline				Antidegradation Allocations				Most Limiting Allocations			
(ug/l unless noted)	Conc.	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH
Acenapthene	0			1.2E+03	2.7E+03			na	2.7E+03			1.2E+03	2.7E+03			na	2.7E+03			na	2.7E+03
Aldrin [C]	0	3.0E+00	3.0E-01	1.3E-03	1.4E-03	3.0E+00	3.0E-01	na	1.4E-03	3.0E+00	3.0E-01	1.3E-03	1.4E-03	3.0E+00	3.0E-01	na	1.4E-03	3.0E+00	3.0E-01	na	1.4E-03
Ammonia-N (mg/l)	0	7.3E+00	1.7E+00			7.3E+00	1.7E+00			7.3E+00	1.7E+00			7.3E+00	1.7E+00			7.3E+00	1.7E+00		
Anthracene	0			9.6E+03	1.1E+05			na	1.1E+05			9.6E+03	1.1E+05			na	1.1E+05			na	1.1E+05
Antimony	0			1.4E+01	4.3E+03			na	4.3E+03			1.4E+01	4.3E+03			na	4.3E+03			na	4.3E+
Arsenic	0			5.0E+01				na				5.0E+01				na				na	
Arsenic III	0	3.6E+02	1.9E+02			3.6E+02	1.9E+02			3.6E+02	1.9E+02			3.6E+02	1.9E+02			3.6E+02	1.9E+02		
Barium	0			2.0E+03				na				2.0E+03				na				na	
Benzene [C]	0			1.2E+01	7.1E+02			na	7.1E+02			1.2E+01	7.1E+02			na	7.1E+02			na	7.1E+02
Benzo(a)anthracene [C]	0			4.4E-02	4.9E-01			na	4.9E-01			4.4E-02	4.9E-01			na	4.9E-01			na	4.9E-01
Benzo(b)fluoranthene [C]	0			4.4E-02	4.9E-01			na	4.9E-01			4.4E-02	4.9E-01			na	4.9E-01			na	4.9E-01
Benzo(k)fluoranthene [C]	0			4.4E-02	4.9E-01			na	4.9E-01			4.4E-02	4.9E-01			na	4.9E-01			na	4.9E-01
Benzo(a)pyrene [C]	0			4.4E-02	4.9E-01			na	4.9E-01			4.4E-02	4.9E-01			na	4.9E-01			na	4.9E-01
Bromoform [C]	0			4.4E+01	3.6E+03			na	3.6E+03			4.4E+01	3.6E+03			na	3.6E+03			na	3.6E+03
Butylbenzylphthalate	0			3.0E+03	5.2E+03			na	5.2E+03			3.0E+03	5.2E+03			na	5.2E+03				5.2E+03
Cadmium	0	3.9E+00	1.1E+00			3.9E+00	1.1E+00			3.9E+00	1.1E+00			3.9E+00	1.1E+00			3.9E+00	1.1E+00		
Carbon Tetrachloride [C]	0			2.5E+00	4.5E+01			na	4.5E+01			2.5E+00	4.5E+01			na	4.5E+01			na	4.5E+01
Chlordane [C]	0	2.4E+00	4.3E-03	5.8E-03	5.9E-03	2.4E+00	4.3E-03	na	5.9E-03	2.4E+00	4.3E-03	5.8E-03	5.9E-03	2.4E+00	4.3E-03	na	5.9E-03	2.4E+00	4.3E-03	na	5.9E-03
Chloride	6	8.6E+05	2.3E+05	2.5E+05		8.6E+05	2.3E+05	na		8.6E+05	2.3E+05	2.5E+05		8.6E+05	2.3E+05	na		8.6E+05	2.3E+05	na	
TRC	0	1.9E+01	1.1E+01			1.9E+01	1.1E+01			1.9E+01	1.1E+01			1.9E+01	1.1E+01			1.9E+01	1.1E+01		
Chlorodibromomethane	0			6.9E+02	5.7E+04			na	5.7E+04			6.9E+02	5.7E+04			na	5.7E+04			na	5.7E+04
Chloroform [C]	0			5.7E+01	4.7E+03			na	4.7E+03			5.7E+01	4.7E+03			na	4.7E+03			na	4.7E+
2-Chlorophenol	0			1.2E+02	4.0E+02			na	4.0E+02			1.2E+02	4.0E+02			na	4.0E+02			na	4.0E+
Chlorpyrifos	0	8.3E-02	4.1E-02			8.3E-02	4.1E-02			8.3E-02	4.1E-02			8.3E-02	4.1E-02			8.3E-02	4.1E-02		
Chromium III	0	1.7E+03	2.1E+02			1.7E+03	2.1E+02			1.7E+03	2.1E+02			1.7E+03	2.1E+02			1.7E+03	2.1E+02		
Chromium VI	0	1.6E+01	1.1E+01			1.6E+01	1.1E+01			1.6E+01	1.1E+01			1.6E+01	1.1E+01			1.6E+01	1.1E+01		
Chrysene [C]	0			4.4E-02	4.9E-01			na	4.9E-01			4.4E-02	4.9E-01			na	4.9E-01			na	4.9E-01
Copper	0	1.8E+01	1.2E+01	1.3E+03		1.8E+01	1.2E+01	na		1.8E+01	1.2E+01	1.3E+03		1.8E+01	1.2E+01	na		1.8E+01	1.2E+01	na	
Cyanide	0	2.2E+01	5.2E+00	7.0E+02	2.2E+05	2.2E+01	5.2E+00	na	2.2E+05	2.2E+01	5.2E+00	7.0E+02	2.2E+05	2.2E+01	5.2E+00	na	2.2E+05	2.2E+01	5.2E+00	na	2.2E+05
DDD [C]	0			8.3E-03	8.4E-03			na	8.4E-03			8.3E-03	8.4E-03			na	8.4E-03			na	8.4E-03
DDE [C]	0			5.9E-03	5.9E-03			na	5.9E-03			5.9E-03	5.9E-03			na	5.9E-03			na	5.9E-03
DDT [C]	0	1.0E+00	1.0E-03	5.9E-03	5.9E-03	1.0E+00	1.0E-03	na	5.9E-03	1.0E+00	1.0E-03	5.9E-03	5.9E-03	1.0E+00	1.0E-03	na	5.9E-03	1.0E+00	1.0E-03	na	5.9E-03
Demeton	0		1.0E-01				1.0E-01				1.0E-01				1.0E-01				1.0E-01		

Parameter	Background	Water Quality Standard				Wasteload Allocations				Antidegradation Baseline				Antidegradation Allocations				Most Limiting Allocations			
(ug/l unless noted)	Conc.	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH
Dibenz(a,h)anthracene [C]	0			4.4E-02	4.9E-01			na	4.9E-01			4.4E-02	4.9E-01			na	4.9E-01			na	4.9E-01
Dibutylphthalate	0			2.7E+03	1.2E+04			na	1.2E+04			2.7E+03	1.2E+04			na	1.2E+04			na	1.2E+04
Dichloromethane [C]	0			4.7E+01	1.6E+04			na	1.6E+04			4.7E+01	1.6E+04			na	1.6E+04			na	1.6E+04
1,2-Dichlorobenzene	0			2.7E+03	1.7E+04			na	1.7E+04			2.7E+03	1.7E+04			na	1.7E+04			na	1.7E+04
1,3-Dichlorobenzene	0			4.0E+02	2.6E+03			na	2.6E+03			4.0E+02	2.6E+03			na	2.6E+03			na	2.6E+03
1,4-Dichlorobenzene	0			4.0E+02	2.6E+03			na	2.6E+03			4.0E+02	2.6E+03			na	2.6E+03			na	2.6E+03
Dichlorobromomethane [C]	0			5.6E+00	4.6E+02			na	4.6E+02			5.6E+00	4.6E+02			na	4.6E+02			na	4.6E+02
1,2-Dichloroethane [C]	0			3.8E+00	9.9E+02			na	9.9E+02			3.8E+00	9.9E+02			na	9.9E+02			na	9.9E+02
1,1-Dichloroethylene	0			3.1E+02	1.7E+04			na	1.7E+04			3.1E+02	1.7E+04			na	1.7E+04			na	1.7E+04
2,4-Dichlorophenol	0			9.3E+01	7.9E+02			na	7.9E+02			9.3E+01	7.9E+02			na	7.9E+02			na	7.9E+
(2,4-Dichlorophenoxy) acetic acid (2,4-D)	0			7.1E+01				na				7.1E+01				na				na	
Dieldrin [C]	0	2.5E+00	1.9E-03	1.4E-03	1.4E-03	2.5E+00	1.9E-03	na	1.4E-03	2.5E+00	1.9E-03	1.4E-03	1.4E-03	2.5E+00	1.9E-03	na	1.4E-03	2.5E+00	1.9E-03	na	1.4E-03
Diethylphthalate	0			2.3E+04	1.2E+05			na	1.2E+05			2.3E+04	1.2E+05			na	1.2E+05			na	1.2E+05
Di-2-ethylhexylphthalate [C]	0			1.8E+01	5.9E+01			na	5.9E+01			1.8E+01	5.9E+01			na	5.9E+01			na	5.9E+01
2,4-Dimethylphenol	0			5.4E+02	2.3E+03			na	2.3E+03			5.4E+02	2.3E+03			na	2.3E+03			na	2.3E+03
2,4-Dinitrotoluene [C]	0			1.1E+00	9.1E+01			na	9.1E+01			1.1E+00	9.1E+01			na	9.1E+01			na	9.1E+01
Dioxin (ppq)	0			1.2E-06	1.2E-06			na	1.2E-06			1.2E-06	1.2E-06			na	1.2E-06			na	1.2E-06
Endosulfan	0	2.2E-01	5.6E-02	1.1E+02	2.4E+02	2.2E-01	5.6E-02	na	2.4E+02	2.2E-01	5.6E-02	1.1E+02	2.4E+02	2.2E-01	5.6E-02	na	2.4E+02	2.2E-01	5.6E-02	na	2.4E+02
Endrin	0	1.8E-01	2.3E-03	7.6E-01	8.1E-01	1.8E-01	2.3E-03	na	8.1E-01	1.8E-01	2.3E-03	7.6E-01	8.1E-01	1.8E-01	2.3E-03	na	8.1E-01	1.8E-01	2.3E-03	na	8.1E-01
Ethylbenzene	0			3.1E+03	2.9E+04			na	2.9E+04			3.1E+03	2.9E+04			na	2.9E+04			na	2.9E+04
Fluoranthene	0			3.0E+02	3.7E+02			na	3.7E+02			3.0E+02	3.7E+02			na	3.7E+02			na	3.7E+02
Fluorene	0			1.3E+03	1.4E+04			na	1.4E+04			1.3E+03	1.4E+04			na	1.4E+04			na	1.4E+04
Foaming Agents	0			5.0E+02				na				5.0E+02				na				na	
Guthion	0		1.0E-02				1.0E-02				1.0E-02				1.0E-02				1.0E-02		
Heptachlor [C]	0	5.2E-01	3.8E-03	2.1E-03	2.1E-03	5.2E-01	3.8E-03	na	2.1E-03	5.2E-01	3.8E-03	2.1E-03	2.1E-03	5.2E-01	3.8E-03	na	2.1E-03	5.2E-01	3.8E-03	na	2.1E-03
Hexachlorocyclohexane (Lindane)	0	2.0E+00	8.0E-02	7.0E+00	2.5E+01	2.0E+00	8.0E-02	na	2.5E+01	2.0E+00	8.0E-02	7.0E+00	2.5E+01	2.0E+00	8.0E-02	na	2.5E+01	2.0E+00	8.0E-02	na	2.5E+
Hydrogen Sulfide	0		2.0E+00				2.0E+00				2.0E+00				2.0E+00				2.0E+00		
Indeno(1,2,3-cd)pyrene C	0			4.4E-02	4.9E-01			na	4.9E-01			4.4E-02	4.9E-01			na	4.9E-01			na	4.9E-01
Iron	0			3.0E+02				na				3.0E+02				na				na	
Isophorone	0			6.9E+03	4.9E+05			na	4.9E+05			6.9E+03	4.9E+05			na	4.9E+05			na	4.9E+05
Kepone	0		0.0E+00				0.0E+00				0.0E+00				0.0E+00				0.0E+00		
Lead	0	1.2E+02	1.4E+01	1.5E+01		1.2E+02	1.4E+01	na		1.2E+02	1.4E+01	1.5E+01		1.2E+02	1.4E+01	na		1.2E+02	1.4E+01	na	
Malathion	0		1.0E-01				1.0E-01				1.0E-01				1.0E-01				1.0E-01		
Manganese	0			5.0E+01				na				5.0E+01				na				na	
Mercury	0	2.4E+00	1.2E-02	5.2E-02	5.3E-02	2.4E+00	1.2E-02	na	5.3E-02	2.4E+00	1.2E-02	5.2E-02	5.3E-02	2.4E+00	1.2E-02	na	5.3E-02	2.4E+00	1.2E-02	na	5.3E-02
Methoxychlor	0		3.0E-02	4.0E+01			3.0E-02	na			3.0E-02	4.0E+01			3.0E-02	na			3.0E-02	na	
Mirex	0		0.0E+00				0.0E+00				0.0E+00				0.0E+00				0.0E+00		
Monochlorobenzene	0			6.8E+02	2.1E+04			na	2.1E+04			6.8E+02	2.1E+04			na	2.1E+04			na	2.1E+04

Parameter (ug/l unless noted)	Background Conc.	Water Quality Standard				Wasteload Allocations				Antidegradation Baseline				Antidegradation Allocations				Most Limiting Allocations			
		Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH
Nickel	0	1.8E+02	2.0E+01	6.1E+02	4.6E+03	1.8E+02	2.0E+01	na	4.6E+03	1.8E+02	2.0E+01	6.1E+02	4.6E+03	1.8E+02	2.0E+01	na	4.6E+03	1.8E+02	2.0E+01	na	4.6E+03
Nitrate (as N)	0			1.0E+04				na				1.0E+04				na				na	
Nitrobenzene	0			1.7E+01	1.9E+03			na	1.9E+03			1.7E+01	1.9E+03			na	1.9E+03			na	1.9E+03
Parathion	0	6.5E-02	1.3E-02			6.5E-02	1.3E-02			6.5E-02	1.3E-02			6.5E-02	1.3E-02			6.5E-02	1.3E-02		
PCB-1016 [c]	0		1.4E-02	4.4E-04	4.5E-04		1.4E-02	na	4.5E-04		1.4E-02	4.4E-04	4.5E-04		1.4E-02	na	4.5E-04		1.4E-02	na	4.5E-04
PCB-1221 [c]	0		1.4E-02	4.4E-04	4.5E-04		1.4E-02	na	4.5E-04		1.4E-02	4.4E-04	4.5E-04		1.4E-02	na	4.5E-04		1.4E-02	na	4.5E-04
PCB-1232 [c]	0		1.4E-02	4.4E-04	4.5E-04		1.4E-02	na	4.5E-04		1.4E-02	4.4E-04	4.5E-04		1.4E-02	na	4.5E-04		1.4E-02	na	4.5E-04
PCB-1242 [c]	0		1.4E-02	4.4E-04	4.5E-04		1.4E-02	na	4.5E-04		1.4E-02	4.4E-04	4.5E-04		1.4E-02	na	4.5E-04		1.4E-02	na	4.5E-04
PCB-1248 [c]	0		1.4E-02	4.4E-04	4.5E-04		1.4E-02	na	4.5E-04		1.4E-02	4.4E-04	4.5E-04		1.4E-02	na	4.5E-04		1.4E-02	na	4.5E-04
PCB-1254 [c]	0		1.4E-02	4.4E-04	4.5E-04		1.4E-02	na	4.5E-04		1.4E-02	4.4E-04	4.5E-04		1.4E-02	na	4.5E-04		1.4E-02	na	4.5E-04
PCB-1260 [c]	0		1.4E-02	4.4E-04	4.5E-04		1.4E-02	na	4.5E-04		1.4E-02	4.4E-04	4.5E-04		1.4E-02	na	4.5E-04		1.4E-02	na	4.5E-04
Pentachlorophenol [c]	0	9.1E+00	5.7E+00	2.8E+00	8.2E+01	9.1E+00	5.7E+00	na	8.2E+01	9.1E+00	5.7E+00	2.8E+00	8.2E+01	9.1E+00	5.7E+00	na	8.2E+01	9.1E+00	5.7E+00	na	8.2E+01
Phenol	0			2.1E+04	4.6E+06			na	4.6E+06			2.1E+04	4.6E+06			na	4.6E+06			na	4.6E+
Pyrene	0			9.6E+02	1.1E+04			na	1.1E+04			9.6E+02	1.1E+04			na	1.1E+04			na	1.1E
Radionuclides (pCi/l except Beta/Photon)	0																				
Gross Alpha Activity	0			1.5E+01	1.5E+01			na	1.5E+01			1.5E+01	1.5E+01			na	1.5E+01			na	1.5E+01
Beta and Photon Activity	0			4.0E+00	4.0E+00			na	4.0E+00			4.0E+00	4.0E+00			na	4.0E+00			na	4.0E+00
Strontium-90	0			8.0E+00	8.0E+00			na	8.0E+00			8.0E+00	8.0E+00			na	8.0E+00			na	8.0E+00
Tritium	0			2.0E+04	2.0E+04			na	2.0E+04			2.0E+04	2.0E+04			na	2.0E+04			na	2.0E+04
Selenium	0	2.0E+01	5.0E+00	1.7E+02	1.1E+04	2.0E+01	5.0E+00	na	1.1E+04	2.0E+01	5.0E+00	1.7E+02	1.1E+04	2.0E+01	5.0E+00	na	1.1E+04	2.0E+01	5.0E+00	na	1.1E+04
Silver	0	4.1E+00				4.1E+00				4.1E+00				4.1E+00				4.1E+00			
Sulfate	0			2.5E+05				na				2.5E+05				na				na	
Tetrachloroethylene	0			3.2E+02	3.5E+03			na	3.5E+03			3.2E+02	3.5E+03			na	3.5E+03			na	3.5E+03
Toluene	0			6.8E+03	2.0E+05			na	2.0E+05			6.8E+03	2.0E+05			na	2.0E+05			na	2.0E+05
Total dissolved solids	0			5.0E+05				na				5.0E+05				na				na	
Toxaphene [c]	0	7.3E-01	2.0E-04	7.3E-03	7.3E-03	7.3E-01	2.0E-04	na	7.3E-03	7.3E-01	2.0E-04	7.3E-03	7.3E-03	7.3E-01	2.0E-04	na	7.3E-03	7.3E-01	2.0E-04	na	7.3E-03
1,2,4-Trichlorobenzene	0			2.6E+02	9.5E+02			na	9.5E+02			2.6E+02	9.5E+02			na	9.5E+02			na	9.5E+02
Trichloroethylene [c]	0			2.7E+01	8.1E+02			na	8.1E+02			2.7E+01	8.1E+02			na	8.1E+02			na	8.1E+02
2,4,6-Trichlorophenol [c]	0			2.1E+01	6.5E+01			na	6.5E+01			2.1E+01	6.5E+01			na	6.5E+01			na	6.5E+01
2-(2,4,5-Trichlorophenoxy) propionic acid (Silvex)	0			5.0E+01				na				5.0E+01				na				na	
Tributyltin	0	4.6E-01	2.6E-02			4.6E-01	2.6E-02			4.6E-01	2.6E-02			4.6E-01	2.6E-02			4.6E-01	2.6E-02		
Vinyl Chloride	0			2.0E+01	5.3E+03			na	5.3E+03			2.0E+01	5.3E+03			na	5.3E+03			na	5.3E+03
Zinc	0	1.2E+02	1.1E+02	5.0E+03		1.2E+02	1.1E+02	na		1.2E+02	1.1E+02	5.0E+03		1.2E+02	1.1E+02	na		1.2E+02	1.1E+02	na	

[c] = carcinogenic

Regular WLA = [WQS((%MIX/100)(stream flow) + design flow) - (streamflow)(background conc.)]/design flow

Antideg. Baseline = (0.25(WQS - background conc.) + background conc.) for acute and chronic

= (0.1(WQS - background conc.) + background conc.) for human health

Antideg. WLA = [Baseline(stream flow + design flow) - (stream flow)(background conc.)]/design flow

= data entry cells

= protected cells

Metal	Target Value (SSTV)
Antimony	4.3E+03
Arsenic	na
Arsenic III	1.1E+02
Barium	na
Cadmium	6.8E-01
Chromium III	1.2E+02
Chromium VI	6.4E+00
Copper	7.1E+00
Iron	na
Lead	8.1E+00
Manganese	na
Mercury	7.2E-03
Nickel	1.2E+01
Selenium	3.0E+00
Silver	1.6E+00
Zinc	4.7E+01

Note: do not use QL's lower than the minimum QL's provided in agency guidance

Freshwater Ammonia Criteria			
	unionized	total	NH3-N
Acute	0.31	8.88418	7.3027944
Chronic	0.07066	2.02488	1.6644548

	Regular WLA	Antideg. WLA
Eff. 7Q10	0	0
Eff. 1Q10	0	0
Acute hardness	100	100.0
Chronic Hardness	100	100.0

Ches Mun. Airp. t

C5

36

,pH	Temp	
6.8	9	
7	10	
7.1	13	
7.2	13	
7.2	16	
7.2	17	
7.3	20	
7.4	21	
7.5	22	
7.6	23	
7.9	24	
8.8	24	
7.84	23.8	90%tile

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ATTACHMENT 7

SPECIAL CONDITIONS RATIONALE

VPDES PERMIT PROGRAM
LIST OF SPECIAL CONDITIONS RATIONALE
Attachment 7

B. Additional Total Residual Chlorine (TRC) Limitations and Monitoring Requirements

Rationale: Required by Water Quality Standards, 9VAC 25-260-170, Fecal coliform bacteria; other waters. Also, 40 CFR 122.41(e) requires the permittee, at all times, to properly operate and maintain all facilities and systems of treatment in order to comply with the permit. This ensures proper operation of chlorination equipment to maintain adequate disinfection.

C. OTHER REQUIREMENTS OR SPECIAL CONDITIONS

1. Sludge Reopener

Rationale: Required by the VPDES Permit Regulation, 9 VAC 25-31-220 C., and 40 CFR 122.44 (c)(4), which note that all permits for domestic sewage treatment plants (including sludge-only facilities) include any applicable standard for sewage sludge use or disposal promulgated under section 405(d) of the Clean Water Act.

2. Licensed Operator Requirement

Rationale: The Permit Regulation, 9 VAC 25-31-200 D and Code of Virginia 54.1-2300 et. seq., Rules and Regulations for Waterworks and Wastewater Works Operators (18 VAC 160-20-10 et seq.) requires licensure of operators.

3. Reliability Class

Rationale: Required by Sewage Collection and Treatment Regulations, 12 VAC 5-581-20 and 120 for all municipal facilities.

4. CTC, CTO and O & M Manual Requirements

Rationale: Required by the State Water Control Law, Section 62.1-44.19; the Sewage Collection and Treatment Regulations (12 VAC 5-581 et seq); Section 401 of the Clean Water Act; 40 CFR 122.41(e); and the VPDES Permit Regulation (9 VAC-25-31-190E).

5. 95% Design Capacity Notification

Rationale: Required by the VPDES Permit Regulation, 9 VAC 25-31-200 B.2. for all POTW and PVOTW permits. Best professional judgement is used to apply this condition to other (private) municipal treatment facilities.

6. Quantification Levels Under Part I.A.

Rationale: States are authorized to establish monitoring methods and procedures to compile and analyze data on water quality, as per 40 CFR part 130, Water Quality Planning and Management, subpart 130.4.

VPDES PERMIT PROGRAM
LIST OF SPECIAL CONDITIONS RATIONALE
Attachment 7 continued

7. Compliance Reporting Under Part I.A.

Rationale: Defines reporting requirements for toxic parameters with quantification levels and other limited parameters to ensure consistent, accurate reporting on submitted reports.

8. Indirect Dischargers

Rationale: Required by VPDES Permit Regulation, 9 VAC 25-31-200 B.1. for POTWs and PVOTWs that receive waste from someone other than the owner of the treatment works.

9. Sludge Management Plan

Rationale: The VPDES Permit Regulation, 9 VAC 25-31-420, and 40 CFR 503.1 specify the purpose and applicability for sludge management plans. The VPDES Permit Regulation, 9 VAC 25-31-100 J.4., also sets forth certain detailed information which must be included in a sludge management plan. The VPDES sewage sludge permit application form and its attachments constitute the sludge management plan and will be considered for approval with the VPDES permit. In addition, the Biosolids Use Regulation, 12 VAC 5-585-330 and 340, specifies the general purpose and control requirements for an O&M manual in order to facilitate proper O&M of the facilities to meet the requirements of the regulation.

10. Connection to Central Sewage Facilities

Rationale: The VDH encourages all small dischargers within close proximity to drinking water supplies to connect to central facilities if they become available. This condition is typically placed upon small domestic facilities that may obtain central treatment access in their area in the forseeable future.

D. PLANE WASHING ACTIVITIES

Rationale: 9 VAC 25-31-10 et seq., and 40 CFR 122.41(e) require proper operation and maintenance of the permitted facility. Other conditions were placed in order to assure protection of water quality and beneficial uses of the waters receiving the discharge.

E. STORM WATER MANAGEMENT PLAN

Rationale: The Clean Water Act 402(p) (2) (B) requires permits for storm water discharges associated with industrial activity. VPDES permits for storm water discharges must establish BAT/BCT requirements in accordance with 402(p)(3) of the Act. The Storm Water Pollution Prevention Plan is the vehicle proposed by EPA in the final NPDES General Permits for Storm Water Discharges Associated with Industrial Activity (Federal Register Sept 9, 1992) to meet the requirements of the Act.

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ATTACHMENT 8

RECEIVING WATERS INFO.
TIER DETERMINATION/STORET DATA/
STREAM MODELING

M E M O R A N D U M

Department of Environmental Quality
Tidewater Regional Office

5636 Southern Boulevard, Virginia Beach, VA 23462

SUBJECT: VPDES Application Requests
~~TO:~~ Stephen Cioccia, TRO
~~FROM:~~ RESmithson, TRO
DATE: 6/15/09
COPIES: TRO File - facility #128, PPP

An application has been received for the following facility:

VPDES #: VA0068209 Facility Name: Chs Regional Airport

Topo Map Name: Deep Creek/Lake Drummond 3A & 3D

Receiving Stream: Twelve Foot Ditch to DW River

[Must be provided for each outfall included in this request or request will be returned]

Attached is a Topographic Map showing facility property boundaries and outfall location(s) for those included in this request. **[MUST be provided or request will be returned]**

Attached is a stream data Request Form **(if data is requested).**

We request the following information from you:

1. __X__ Tier Determination. Tier: 1 (all listed outfalls discharge to receiving stream with 7Q10=0)
   Please include a basis for the tier determination.
2. Not requested Stream Data Requested for outfall(s) See attachment 1
   ["STREAM DATA RETRIEVAL REQUEST FORM" MUST be completed & included]
3. __X__ Is this facility mentioned in a Management Plan?
   ✓ No _____ Yes _____ No, but will be included when the Plan is updated.
4. __X__ Are limits contained in a Management Plan?
   ✓ No _____ Yes **(If Yes, Please include the basis for the limits.)**
5. __X__ Indicate outfall(s) which discharge directly to an impaired (Category 5) stream segment? None of outfalls indicated
6. __X__ Are outfall(s) WLAs contained in an approved TMDL?
   ✓ No _____ Yes **(If Yes, Please include the WLAs)**

Return Date Requested: 6/29/09

Date Returned: 6/29/09

7. **PERMIT CHARACTERIZATION**: (Check as many as appropriate)

(X) Existing Discharge	(X) Effluent Limited
( ) Proposed Discharge	(X) Water Quality Limited
(X) Municipal	( ) WET Limit
SIC Code(s) 4581	( ) Interim Limits in Permit
( ) Industrial	( ) Interim Limits in Other Document
SIC Code(s)	( ) Compliance Schedule Required
(X) POTW	( ) Site Specific WQ Criteria
( ) PVOTW	( ) Variance to WQ Standards
( ) Private	( ) Water Effects Ratio
( ) Federal	( ) Discharge to 303(d) Listed Segment
( ) State	( ) Toxics Management Program Required
( ) Publicly-Owned Industrial	( ) Toxics Reduction Evaluation
	(X) Storm Water Management Plan
	( ) Pretreatment Program Required
	( ) Possible Interstate Effect
	( ) CBP Significant Dischargers List

8. **RECEIVING WATERS CLASSIFICATION**: River basin information.

Outfall No(s): 001

Receiving Stream:	Unnamed tributary to Twelve Foot Ditch to Northwest River
River Mile:	0.84
Basin:	Chowan and Dismal Swamp
Subbasin:	Albemarle Sound
Section:	1a
Class:	III
Special Standard(s):	none
Tidal:	NO
7-Day/10-Year Low Flow:	0 MGD
1-Day/10-Year Low Flow:	0 MGD
30-Day/5-Year Low Flow:	0 MGD
Harmonic Mean Flow:	0 MGD

Stormwater Outfalls 002-005, 905:

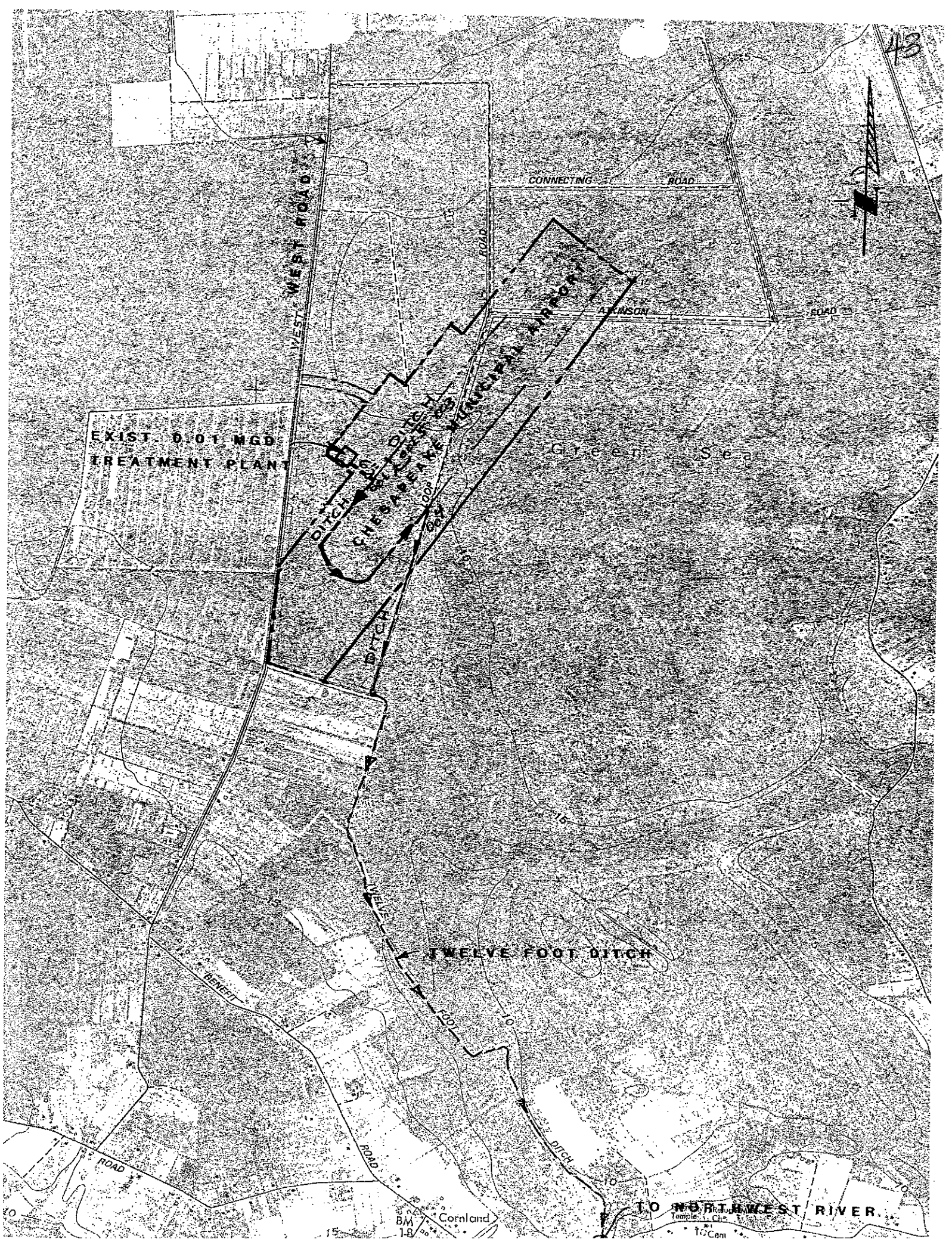
RECEIVING WATERS CLASSIFICATION: River basin information.

Outfall No(s): 002, 003, 004

Receiving Stream:	Unnamed tributary to Twelve Foot Ditch to Northwest River
River Mile:	4.10
Basin:	Chowan and Dismal Swamp
Subbasin:	Albemarle Sound
Section:	1a
Class:	III
Special Standard(s):	none
Tidal:	NO
7-Day/10-Year Low Flow:	0 MGD
1-Day/10-Year Low Flow:	0 MGD
30-Day/5-Year Low Flow:	0 MGD
Harmonic Mean Flow:	0 MGD

Outfalls 005, 905

Receiving Stream:	Twelve Foot Ditch to Northwest River
River Mile:	4.19
Basin:	Chowan and Dismal Swamp
Subbasin:	Albemarle Sound
Section:	1a
Class:	III
Special Standard(s):	none
Tidal:	NO
7-Day/10-Year Low Flow:	0 MGD
1-Day/10-Year Low Flow:	0 MGD
30-Day/5-Year Low Flow:	0 MGD
Harmonic Mean Flow:	0 MGD


WEST ROAD
CONNECTING ROAD
ATKINSON ROAD
EXIST. 0.01 MGD
TREATMENT PLANT
CHESAPEAKE MUNICIPAL AIRPORT
DITCH
DITCH
Green Sea
TWELVE FOOT DITCH
BENEFIT
ROAD
ROAD
DITCH
Cornland
BM
TO NORTHWEST RIVER

Until further guidance is provided by OWRM Permits, assessment of waters for NH_3 should be based upon OWRM Guidance No. 93-015 from Larry G. Lawson, dated June 22, 1993.

The above guidance specifies that the ambient NH_3 data should be compared to the NH_3 standard (calculated using 90th percentile of ambient data for pH and temperature of that segment) and by using the "STANDARDS.EXE Program" developed by OWRM Permits Modelling. (These environmental conditions are considered critical design conditions to protect water quality and to comply with WQS.) If the 97th percentile of the in-stream data is greater than either of the calculated NH_3 standards (chronic or acute), then OWRM considers the standard is being violated and the segment is WQL.

2.4.7 Wasteload Allocations Where The 7Q10 Is Zero *Or Minimal*

A discharge to a water course with a 7Q10 of zero or near zero would be required to have effluent limits that would comply with water quality standards, at a minimum. The discharge would have to be "self sustaining" so to comply with water quality standards. Therefore, the discharge would be WQL and the receiving water course with a 7Q10 of zero near zero would be considered a tier 1 segment.

Dry-ditch = Tier 1

A discharge to a tier 1 water that empties into a tier 2 water would have to be evaluated for antidegradation at the point of confluence of the two water courses, if the discharge is in close enough proximity to impact the tier 2 water. In the above scenario, antidegradation requirements to protect tier 2 waters may apply to a discharge to a tier 1 water. Therefore, effluent limits may be more stringent than required by the numerical water quality standards.

If a discharge occurs to a dry ditch or tributary that empties into a free flowing stream and the distance from the discharge to the next confluence is too short to model (based upon the current modelling programs), then the discharge should be modelled as if it occurs directly to the free flowing stream.

2.4.8 Estuaries - Wasteload Allocations & TMDL Development

Similar to freshwater streams, water quality wasteload allocations (WQWLAs) and TMDLs in all tidal influenced waters will be expressed as a mass limitation for the conventional parameters (BOD_5, $cBOD_5$, TKN, and NH_3) and as a concentration for toxics.

Tidal freshwater segments and transition zone segments identified

Attachment I-1

Tier 1 Justification for Low Flow Streams

DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER DIVISION

OFFICE OF WATER RESOURCE MANAGEMENT

(SECOND DRAFT)

GUIDANCE MANUAL

FOR THE

VIRGINIA WATER QUALITY MANAGEMENT PLAN

March 4, 1994

Attachment 1-2

Chesapeake Regional Airport WWTP
VA0068209

ATTACHMENT 9

TABLE III(a) AND TABLE III(b) - CHANGE SHEETS

TABLE III(a)

VPDES PERMIT PROGRAM
Permit Processing Change Sheet

1. Effluent Limits and Monitoring Schedule: (List any changes FROM PREVIOUS PERMIT and give a brief rationale for the changes).

OUTFALL NUMBER	PARAMETER CHANGED	MONITORING LIMITS CHANGED FROM / TO	EFFLUENT LIMITS CHANGED FROM / TO	RATIONALE	DATE & INITIAL

OTHER CHANGES FROM:	CHANGED TO:	DATE & INITIAL
Part I, page 2 of 20: monitoring requirements at outfall 005- footnote entitled "Grab" has more specific explanation	24 hrs. notice - every effort should be made to make arrangements to sample the first plane washing activity of each month	07/24/09 GS
Special condition #7 updated	To include subset e. on rounding convention consistency	06/17/09 GS
Internal outfall # 905 (storm water drainage) has been delisted since it drains to an oil/water separator prior to outfall 005 (plane washing activities) and is sampled at 005	Per permittee request in 07/02/09 application revisions	07/08/09 GS
Special condition B.2. now includes update language for E. coli to include a single sample maximum limit also should an alternative to chlorine be used in the future	E. coli mo. avg. limit (126 n/100 ml) only to include a single sample maximum of 235 n/100 ml also	07/08/09 GS

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TABLE III(b)

VPDES PERMIT PROGRAM
Permit Processing Change Sheet

1. Effluent Limits and Monitoring Schedule: (List any changes MADE DURING PERMIT PROCESS and give a brief rationale for the changes).

N/A

OUTFALL NUMBER	PARAMETER CHANGED	MONITORING LIMITS CHANGED FROM / TO	EFFLUENT LIMITS CHANGED FROM / TO	RATIONALE	DATE & INITIAL

OTHER CHANGES FROM:	CHANGED TO:	DATE & INITIAL

Chesapeake Regional Airport WWTP
VA0068209

ATTACHMENT 10

EPA PERMIT CHECKLIST

5

State "Transmittal Checklist" to Assist in Targeting Municipal and Industrial Individual NPDES Draft Permits for Review

Part I. State Draft Permit Submission Checklist

In accordance with the MOA established between the Commonwealth of Virginia and the United States Environmental Protection Agency, Region III, the Commonwealth submits the following draft National Pollutant Discharge Elimination System (NPDES) permit for Agency review and concurrence.

Facility Name: Chesapeake Regional Airport WWTP

NPDES Permit Number: VA0068209

Permit Writer Name: R. E. Smithson

Date: 06/19/09

Major [ ] **Minor** [X] **Industrial** [ ] **Municipal** [X]

I.A. Draft Permit Package Submittal Includes:	**Yes**	**No**	**N/A**
1. Permit Application?	X		
2. Complete Draft Permit (for renewal or first time permit – entire permit, including boilerplate information)?	X		
3. Copy of Public Notice?		X	
4. Complete Fact Sheet?	X		
5. A Priority Pollutant Screening to determine parameters of concern?	X		
6. A Reasonable Potential analysis showing calculated WQBELs?	X		
7. Dissolved Oxygen calculations?		X	
8. Whole Effluent Toxicity Test summary and analysis?			X
9. Permit Rating Sheet for new or modified industrial facilities?			X

I.B. Permit/Facility Characteristics	**Yes**	**No**	**N/A**
1. Is this a new, or currently unpermitted facility?		X	
2. Are all permissible outfalls (including combined sewer overflow points, non-process water and storm water) from the facility properly identified and authorized in the permit?	X		
3. Does the fact sheet **or** permit contain a description of the wastewater treatment process?	X		

I.B. Permit/Facility Characteristics – cont.	Yes	No	N/A
4. Does the review of PCS/DMR data for at least the last 3 years indicate significant non-compliance with the existing permit?		X	
5. Has there been any change in stream flow characteristics since the last permit was developed?		X	
6. Does the permit allow the discharge of new or increased loadings of any pollutants?		X	
7. Does the fact sheet **or** permit provide a description of the receiving water body(s) to which the facility discharges, including information on low/critical flow conditions and designated/existing uses?	X		
8. Does the facility discharge to a 303(d) listed water?		X	
a. Has a TMDL been developed and approved by EPA for the impaired water?			X
b. Does the record indicate that the TMDL development is on the State priority list and will most likely be developed within the life of the permit?			X
c. Does the facility discharge a pollutant of concern identified in the TMDL or 303(d) listed water?			X
9. Have any limits been removed, or are any limits less stringent, than those in the current permit?		X	
10. Does the permit authorize discharges of storm water?	X		
11. Has the facility substantially enlarged or altered its operation or substantially increased its flow or production?		X	
12. Are there any production-based, technology-based effluent limits in the permit?		X	
13. Do any water quality-based effluent limit calculations differ from the State's standard policies or procedures?		X	
14. Are any WQBELs based on an interpretation of narrative criteria?		X	
15. Does the permit incorporate any variances or other exceptions to the State's standards or regulations?		X	
16. Does the permit contain a compliance schedule for any limit or **condition**?		X	
17. Is there a potential impact to endangered/threatened species or their habitat by the facility's discharge(s)?		X	
18. Have impacts from the discharge(s) at downstream potable water supplies been evaluated?	X		
19. Is there any indication that there is significant public interest in the permit action proposed for this facility?		X	
20. Have previous permit, application, and fact sheet been examined?	X		

Part II. NPDES Draft Permit Checklist

Region III NPDES Permit Quality Checklist – for POTWs

(To be completed and included in the record only for POTWs)

II.A. Permit Cover Page/Administration	Yes	No	N/A
1. Does the fact sheet or permit describe the physical location of the facility, including latitude and longitude (not necessarily on permit cover page)?	X		
2. Does the permit contain specific authorization-to-discharge information (from where to where, by whom)?	X		

II.B. Effluent Limits – General Elements	Yes	No	N/A
1. Does the fact sheet describe the basis of final limits in the permit (e.g., that a comparison of technology and water quality-based limits was performed, and the most stringent limit selected)?	X		
2. Does the fact sheet discuss whether "antibacksliding" provisions were met for any limits that are less stringent than those in the previous NPDES permit?			X

II.C. Technology-Based Effluent Limits (POTWs)	Yes	No	N/A
1. Does the permit contain numeric limits for ALL of the following: BOD (or alternative, e.g., CBOD, COD, TOC), TSS, and pH?	X		
2. Does the permit require at least 85% removal for BOD (or BOD alternative) and TSS (or 65% for equivalent to secondary) consistent with 40 CFR Part 133?	X		
a. If no, does the record indicate that application of WQBELs, or some other means, results in more stringent requirements than 85% removal or that an exception consistent with 40 CFR 133.103 has been approved?			X
3. Are technology-based permit limits expressed in the appropriate units of measure (e.g., concentration, mass, SU)?	X		
4. Are permit limits for BOD and TSS expressed in terms of both long term (e.g., average monthly) and short term (e.g., average weekly) limits?	X		
5. Are any concentration limitations in the permit less stringent than the secondary treatment requirements (30 mg/l BOD5 and TSS for a 30-day average and 45 mg/l BOD5 and TSS for a 7-day average)?		X	
a. If yes, does the record provide a justification (e.g., waste stabilization pond, trickling filter, etc.) for the alternate limitations?			X

II.D. Water Quality-Based Effluent Limits	Yes	No	N/A
1. Does the permit include appropriate limitations consistent with 40 CFR 122.44(d) covering State narrative and numeric criteria for water quality?	X		
2. Does the fact sheet indicate that any WQBELs were derived from a completed and EPA approved TMDL?			X
II.D. Water Quality-Based Effluent Limits – cont.	**Yes**	**No**	**N/A**
3. Does the fact sheet provide effluent characteristics for each outfall?	X		

4. Does the fact sheet document that a "reasonable potential" evaluation was performed?	X		
a. If yes, does the fact sheet indicate that the "reasonable potential" evaluation was performed in accordance with the State's approved procedures?	X		
b. Does the fact sheet describe the basis for allowing or disallowing in-stream dilution or a mixing zone?			X
c. Does the fact sheet present WLA calculation procedures for all pollutants that were found to have "reasonable potential"?	X		
d. Does the fact sheet indicate that the "reasonable potential" and WLA calculations accounted for contributions from upstream sources (i.e., do calculations include ambient/background concentrations)?			X
e. Does the permit contain numeric effluent limits for all pollutants for which "reasonable potential" was determined?	X		
5. Are all final WQBELs in the permit consistent with the justification and/or documentation provided in the fact sheet?	X		
6. For all final WQBELs, are BOTH long-term AND short-term effluent limits established?	X		
7. Are WQBELs expressed in the permit using appropriate units of measure (e.g., mass, concentration)?	X		
8. Does the record indicate that an "antidegradation" review was performed in accordance with the State's approved antidegradation policy?	X		

II.E. Monitoring and Reporting Requirements	Yes	No	N/A
1. Does the permit require at least annual monitoring for all limited parameters and other monitoring as required by State and Federal regulations?	X		
a. If no, does the fact sheet indicate that the facility applied for and was granted a monitoring waiver, AND, does the permit specifically incorporate this waiver?			
2. Does the permit identify the physical location where monitoring is to be performed for each outfall?	X		
3. Does the permit require at least annual influent monitoring for BOD (or BOD alternative) and TSS to assess compliance with applicable percent removal requirements?		X	
4. Does the permit require testing for Whole Effluent Toxicity?			X

II.F. Special Conditions	Yes	No	N/A
1. Does the permit include appropriate biosolids use/disposal requirements?	X		
2. Does the permit include appropriate storm water program requirements?	X		

II.F. Special Conditions – cont.	Yes	No	N/A
3. If the permit contains compliance schedule(s), are they consistent with statutory and regulatory deadlines and requirements?			X
4. Are other special conditions (e.g., ambient sampling, mixing studies, TIE/TRE, BMPs, special studies) consistent with CWA and NPDES regulations?	X		

5. Does the permit allow/authorize discharge of sanitary sewage from points other than the POTW outfall(s) or CSO outfalls [i.e., Sanitary Sewer Overflows (SSOs) or treatment plant bypasses]?		X	
6. Does the permit authorize discharges from Combined Sewer Overflows (CSOs)?		X	
a. Does the permit require implementation of the "Nine Minimum Controls"?			X
b. Does the permit require development and implementation of a "Long Term Control Plan"?			X
c. Does the permit require monitoring and reporting for CSO events?			X
7. Does the permit include appropriate Pretreatment Program requirements?			X

II.G. Standard Conditions	Yes	No	N/A
1. Does the **permit** contain all 40 CFR 122.41 standard conditions or the State equivalent (or more stringent) conditions?	X		

List of Standard Conditions – 40 CFR 122.41

Duty to comply
Duty to reapply
Need to halt or reduce activity not a defense
Duty to mitigate
Proper O & M
Permit actions

Property rights
Duty to provide information
Inspections and entry
Monitoring and records
Signatory requirement
Bypass
Upset

Reporting Requirements
Planned change
Anticipated noncompliance
Transfers
Monitoring reports
Compliance schedules
24-Hour reporting
Other non-compliance

2. Does the permit contain the additional standard condition (or the State equivalent or more stringent conditions) for POTWs regarding notification of new introduction of pollutants and new industrial users [40 CFR 122.42(b)]?	X		

Part II. NPDES Draft Permit Checklist

Region III NPDES Permit Quality Review Checklist – For Non-Municipals

(To be completed and included in the record for all non-POTWs)

(NOT APPLICABLE)

II.A. Permit Cover Page/Administration	Yes	No	N/A
1. Does the fact sheet **or** permit describe the physical location of the facility, including latitude and longitude (not necessarily on permit cover page)?			
2. Does the permit contain specific authorization-to-discharge information (from where to where, by whom)?			

II.B. Effluent Limits - General Elements	Yes	No	N/A
1. Does the fact sheet describe the basis of final limits in the permit (e.g., that a comparison of technology and water quality-based limits was performed, and the most stringent limit selected)?			
2. Does the fact sheet discuss whether "antibacksliding" provisions were met for any limits that are less stringent than those in the previous NPDES permit?			

II.C. Technology-Based Effluent Limits (Effluent Guidelines & BPJ)	Yes	No	N/A
1. Is the facility subject to a national effluent limitations guideline (ELG)?			
a. If yes, does the record adequately document the categorization process, including an evaluation of whether the facility is a new source or an existing source?			
b. If no, does the record indicate that a technology-based analysis based on Best Professional Judgement (BPJ) was used for all pollutants of concern discharged at treatable concentrations?			
2. For all limits developed based on BPJ, does the record indicate that the limits are consistent with the criteria established at 40 CFR 125.3(d)?			
3. Does the fact sheet adequately document the calculations used to develop both ELG and /or BPJ technology-based effluent limits?			
4. For all limits that are based on production or flow, does the record indicate that the calculations are based on a "reasonable measure of ACTUAL production" for the facility (not design)?			
5. Does the permit contain "tiered" limits that reflect projected increases in production or flow?			
a. If yes, does the permit require the facility to notify the permitting authority when alternate levels of production or flow are attained?			
6. Are technology-based permit limits expressed in appropriate units of measure (e.g., concentration, mass, SU)?			

(NOT APPLICABLE)

II.C. Technology-Based Effluent Limits (Effluent Guidelines & BPJ) – cont.	Yes	No	N/A
7. Are all technology-based limits expressed in terms of both maximum daily, weekly average, and/or monthly average limits?			
8. Are any final limits less stringent than required by applicable effluent limitations guidelines or BPJ?			

II.D. Water Quality-Based Effluent Limits	Yes	No	N/A
1. Does the permit include appropriate limitations consistent with 40 CFR 122.44(d) covering State narrative and numeric criteria for water quality?			
2. Does the record indicate that any WQBELs were derived from a completed and EPA approved TMDL?			
3. Does the fact sheet provide effluent characteristics for each outfall?			
4. Does the fact sheet document that a "reasonable potential" evaluation was performed?			
a. If yes, does the fact sheet indicate that the "reasonable potential" evaluation was performed in accordance with the State's approved procedures?			
b. Does the fact sheet describe the basis for allowing or disallowing in-stream dilution or a mixing zone?			
c. Does the fact sheet present WLA calculation procedures for all pollutants that were found to have "reasonable potential"?			
d. Does the fact sheet indicate that the "reasonable potential" and WLA calculations accounted for contributions from upstream sources (i.e., do calculations include ambient/background concentrations where data are available)?			
e. Does the permit contain numeric effluent limits for all pollutants for which "reasonable potential" was determined?			
5. Are all final WQBELs in the permit consistent with the justification and/or documentation provided in the fact sheet?			
6. For all final WQBELs, are BOTH long-term (e.g., average monthly) AND short-term (e.g., maximum daily, weekly average, instantaneous) effluent limits established?			
7. Are WQBELs expressed in the permit using appropriate units of measure (e.g., mass, concentration)?			
8. Does the fact sheet indicate that an "antidegradation" review was performed in accordance with the State's approved antidegradation policy?			

(NOT APPLICABLE)

II.E. Monitoring and Reporting Requirements	Yes	No	N/A
1. Does the permit require at least annual monitoring for all limited parameters?			
a. If no, does the fact sheet indicate that the facility applied for and was granted a monitoring waiver, AND, does the permit specifically incorporate this waiver?			
2. Does the permit identify the physical location where monitoring is to be performed for each outfall?			
3. Does the permit require testing for Whole Effluent Toxicity in accordance with the State's standard practices?			

II.F. Special Conditions	Yes	No	N/A
1. Does the permit require development and implementation of a Best Management Practices (BMP) plan or site-specific BMPs?			
a. If yes, does the permit adequately incorporate and require compliance with the BMPs?			
2. If the permit contains compliance schedule(s), are they consistent with statutory and regulatory deadlines and requirements?			
3. Are other special conditions (e.g., ambient sampling, mixing studies, TIE/TRE, BMPs, special studies) consistent with CWA and NPDES regulations?			

II.G. Standard Conditions	Yes	No	N/A
1. Does the **permit** contain all 40 CFR 122.41 standard conditions or the State equivalent (or more stringent) conditions?			

List of Standard Conditions – 40 CFR 122.41

Duty to comply
Duty to reapply
Need to halt or reduce activity not a defense
Duty to mitigate
Proper O & M
Permit actions

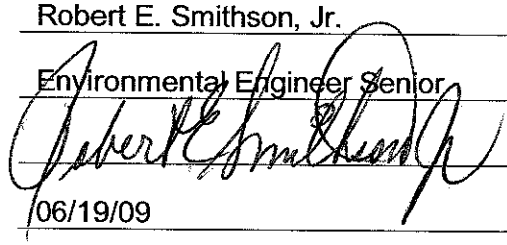
Property rights
Duty to provide information
Inspections and entry
Monitoring and records
Signatory requirement
Bypass
Upset

Reporting Requirements
Planned change
Anticipated noncompliance
Transfers
Monitoring reports
Compliance schedules
24-Hour reporting
Other non-compliance

2. Does the permit contain the additional standard condition (or the State equivalent or more stringent conditions) for existing non-municipal dischargers regarding pollutant notification levels [40 CFR 122.42(a)]?		X	

Part III. Signature Page

Based on a review of the data and other information submitted by the permit applicant, and the draft permit and other administrative records generated by the Department/Division and/or made available to the Department/Division, the information provided on this checklist is accurate and complete, to the best of my knowledge.

Name	Robert E. Smithson, Jr.
Title	Environmental Engineer Senior
Signature	
Date	06/19/09

Chesapeake Regional Airport WWTP
VA0068209

ATTACHMENT 11

CHRONOLOGY SHEET

VPDES PERMIT PROGRAM

CHRONOLOGY OF EVENTS

APPLICATION RECEIVED	APPLICATION RETURNED	ADDITIONAL INFO REQUESTED	APPLICATION/ADD INFO DUE BACK IN RO	APPLICATION/ADD. INFO RECEIVED
05/11/09		06/18/09		07/07/09

APPLICATION TO VDH: 06/03/09	VDH COMMENTS RECEIVED: 06/16/09
APPLICATION TO OWPS:	OWPS COMMENTS RECEIVED:
APPLICATION ADMIN. COMPLETE: 07/07/09 (revisions)	APPLICATION TECH. COMPLETE: 07/07/09 (revisions)
DATE FORWARDED TO ADMIN:	

Date	DESCRIPTIVE STATEMENT [CHRONOLOGY OF EVENTS] (Meetings, telephone calls, letters, memos, hearings, etc. affecting permit from application to issuance)
06/03/09	Application sent electronically to VDH, DSS & VMRC for comments
06/15/09	DSS comments received
06/15/09	Tier determination requested from planning
06/16/09	VDH comments received
06/17/09	Draft permit & fact sheet prepared
06/18/09	Revisions requested from permittee concerning outfall designations
06/29/09	Planning information received
07/07/09	Revisions received (applic complete)
07/08/09	Draft permit/FS finalized & applic complete letter to permittee
07/09/09	Draft permit/FS routed for review
07/27/09	TC review received, changes made
07/31/09	Sent to owner and to planning for conformance statement

Chesapeake Regional Airport WWTP
VA0068209

ATTACHMENT 12

CORRESPONDENCE

Smithson,Robert

From: Wohlford, Lisa (VDH)
Sent: Wednesday, September 30, 2009 12:59 PM
To: Smithson,Robert
Subject: RE: Questions on Duck Septage Lagoon in Isle of Wight Co.

Robert,

Jay normally deals with Ducks as he is based out of the Isle of Wight office. I emailed him and he provided the following:

Duck's Lagoon was permitted Nov. 1990 and is still in operation. We do a visual inspection of the lagoon once per quarter. Mr. Duck sends us monthly reports on dumping into the Lagoon. In 2007 we had Charlie Swanson with the Division of Wastewater Engineering come to take a look at the lagoon, Mr. Duck's spray system and about Mr. Duck land applying sludge (biosolids) from his lagoon. I have letters from Mr. Swanson approving this. As far as I know Mr. Duck continues to send samples to Wastewater Engineering even though they moved to DEQ.

My new direct number is 757-514-4755. The main number to EH is 757-514-4751/52.

Lisa A. Wohlford
Environmental Health Manager, Sr.
Western Tidewater Health District
135 Hall Ave., Suite A
Suffolk, VA 23434
Tel: (757)514-4755
Fax: (757)514-4865

From: Smithson,Robert [mailto:Robert.SmithsonJr@deq.virginia.gov]
Sent: Wednesday, September 30, 2009 10:49 AM
To: Wohlford, Lisa (VDH)
Subject: Questions on Duck Septage Lagoon in Isle of Wight Co.

Lisa,

Can you confirm that Duck Septage Lagoon is still a VDH permitted, current, viable site for sludge disposal.

Also need an updated phone number for you. The previous number I had 686-4900 appears to be no longer in service. Thanks.

Mastice,Barbara

From: Mastice,Barbara
Sent: Tuesday, August 25, 2009 4:29 PM
To: 'Legal Ads'
Cc: Hawkins,Deborah
Subject: Public Notice for Chesapeake Regional Airport - VA0068209
Attachments: CHES REG AIRPORT - VA0068209 BILLING DOC.pdf; CHES REG AIRPORT PN LTR TO NEWS.doc; CHES REG AIRPORT - VA0068209 PN.doc

Please publish the attached public notice in the earliest edition of your paper ONCE A WEEK FOR TWO CONSECUTIVE WEEKS, EXACTLY SEVEN DAYS APART. Proceed with the publishing as follows:

1. Publish it in the legal section in the smallest print possible INSERTING THE FIRST DATE OF THE PUBLIC NOTICE.

2. Please BILL THIS AD to the Agent's address on the BILLING DOCUMENT submitted with this e-mail

3. PLEASE NOTE ON THE BILLING DOCUMENT THEY HAVE AUTHORIZED YOU TO SEND THE AFFIDAVIT TO THIS OFFICE certifying that the public notice has been published as requested as soon possible after the last publication date. This is extremely important, as DEQ can not issue the permit without the affidavit.

PLEASE CONFIRM RECEIPT OF THIS NOTICE TO ME WITH A COPY OF THE PROPOSED PUBLIC NOTICE.

If you have any questions, please let me know.

Barbara "Jeannie" Mastice

Tidewater Regional Office - DEQ

5636 Southern Boulevard

Virginia Beach, VA 23462

(757) 518-2144

barbara.mastice@deq.virginia.gov

Ad ID 20522504 Date 08/26/2009 Time 10:58 AM

PUBLIC NOTICE OF AN ENVIRONMENTAL PERMIT

Citizens are invited to comment on a proposed permit that will allow the release of treated wastewater, as well as storm water, from a regulated municipal activity into a waterway in Chesapeake, Virginia

PUBLIC COMMENT PERIOD: Until 4:30 PM 30 days from the first date of this public notice August 28, 2009.
PERMIT NAME: Virginia Pollutant Discharge Elimination System Permit. Owners or operators of facilities that discharge into Virginia waterways from a set location called a point source must apply for this permit.
NAME ADDRESS AND PERMIT NUMBER OF APPLICANT: Chesapeake Regional Airport, 2800 Airport Road, Chesapeake, Va. 23323; Permit No. VA0068209
NAME AND ADDRESS OF FACILITY: Chesapeake Regional Airport Wastewater Treatment Plant, 1777 West Road, Chesapeake, VA 23323
DISCHARGE LOCATION/RECEIVING STREAM/WATERSHED: Chesapeake, VA; discharge to an unnamed tributary to Twelve Foot Ditch to the Northwest River- Chowan and Dismal Swamp watershed (a watershed is the land area drained by a river and its incoming streams).
PROJECT DESCRIPTION: The Chesapeake Regional Airport has applied to the Department of Environmental Quality (DEQ) for the reissuance of a permit for treated domestic waste water, as well as industrially related storm water discharges from a small airport. The applicant proposes to discharge at a rate of .01 million gallons per day. The permit will limit the following pollutants to amounts that protect water quality -outfall 001: pH, biochemical oxygen demand, total suspended solids, dissolved oxygen, ammonia nitrogen, fecal coliform and total residual chlorine. Generated sludge will be pumped and hauled by Duck's Septage Lagoon Service to their treatment facility in Windsor,Virginia (Isle of Wight Co.); Outfall 005: pH, total suspended solids and oil & grease. A storm water pollution prevention plan is required for the facility.
TO COMMENT TO DEQ: via e-mail, fax or postal mail. You must include your name, address and telephone number plus the names and telephone numbers of any people you represent. DEQ must receive your comments during the comment period. The public may review permit documents at the Tidewater Regional Office every work day by appointment. You may request a public hearing via e-mail, fax or postal mail during the comment period. Requests for hearings must include the reason for the hearing request, the nature of the issue(s) to be raised in the public hearing, your interest and how the facility affects you. DEQ may hold a public hearing, including another comment period, if public response is significant and there are substantial, disputed issues relevant to the permit.
CONTACT: Robert E. Smithson, DEQ Tidewater Regional Office, 5636 Southern Blvd. Va. Beach 23462. Tel: 757-518-2106; Fax: 757-518-2009. E-mail: robert.smithsonjr@deq.virginia.gov

VP August 28 & Sept. 4, 2009 20522504

Ad shown is not actual print size

To run 8/28 and 9/4

COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY
TIDEWATER REGIONAL OFFICE
5636 Southern Boulevard, Virginia Beach, Virginia 23462
(757) 518-2000 Fax (757) 518-~~2103~~ 2009
www.deq.virginia.gov

L. Preston Bryant, Jr
Secretary of Natural Resources

David K. Paylor
Director

Francis L. Daniel
Regional Director

August 25, 2009

Mr. Dwight L. Farmer
Executive Director, Headquarters Office
Hampton Roads Planning District Commission
The Regional Building
723 Woodlake Drive
Chesapeake, VA 23220

RE: VPDES Permit No. VA0068209
Chesapeake Regional Airport WWTP, Chesapeake, VA

Dear Mr. Collins:

This letter transmits a copy of the public notice for the referenced proposed permit action for your review. This notice is being provided to you pursuant to Section 62.1-44.15:01 of the Code of Virginia. Public notice of this proposed action is also being published in a local newspaper. That publication will establish a 30-day public comment period for this proposal. If you wish to comment on this proposed action, please respond to the Virginia Department of Environmental Quality at the above address.

If no response is received within the 30-day public notice period, it will be assumed that you have no objections to the proposed action. If you have any questions, please contact me at (757) 518-2106.

Sincerely,

Robert E. Smithson
Environmental Engineer Senior

Enclosure: Public Notice
cc: DEQ -TRO File No.128

COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY
TIDEWATER REGIONAL OFFICE
5636 Southern Boulevard, Virginia Beach, Virginia 23462
(757) 518-2000 Fax (757) 518-~~2103~~ 2009
www.deq.virginia.gov

L. Preston Bryant, Jr
Secretary of Natural Resources

David K. Paylor
Director

Francis L. Daniel
Regional Director

August 25, 2009

Mayor
City of Chesapeake
P. O. Box 15225
Chesapeake, VA 23328

RE: VPDES Permit No. VA0068209
Chesapeake Regional Airport WWTP, Chesapeake, VA

Dear Sir/Madam:

This letter transmits a copy of the public notice for the referenced proposed permit action for your review. This notice is being provided to you pursuant to Section 62.1-44.15:01 of the Code of Virginia. Public notice of this proposed action is also being published in a local newspaper. That publication will establish a 30-day public comment period for this proposal. If you wish to comment on this proposed action, please respond to the Virginia Department of Environmental Quality at the above address.

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Sincerely,

Robert E. Smithson
Environmental Engineer Senior

Enclosure: Public Notice

cc: DEQ -TRO File No. 128

COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY
TIDEWATER REGIONAL OFFICE
5636 Southern Boulevard, Virginia Beach, Virginia 23462
(757) 518-2000 Fax (757) 518-~~2103~~ 2009
www.deq.virginia.gov

L. Preston Bryant, Jr
Secretary of Natural Resources

David K. Paylor
Director

Francis L. Daniel
Regional Director

August 25, 2009

City Manager
City of Chesapeake
P. O. Box 15225
Chesapeake, VA 23328

RE: VPDES Permit No. VA0068209
Chesapeake Regional Airport WWTP, Chesapeake, VA

Dear Sir/Madam:

This letter transmits a copy of the public notice for the referenced proposed permit action for your review. This notice is being provided to you pursuant to Section 62.1-44.15:01 of the Code of Virginia. Public notice of this proposed action is also being published in a local newspaper. That publication will establish a 30-day public comment period for this proposal. If you wish to comment on this proposed action, please respond to the Virginia Department of Environmental Quality at the above address.

If no response is received within the 30-day public notice period, it will be assumed that you have no objections to the proposed action. If you have any questions, please contact me at (757) 518-2106.

Sincerely,

Robert E. Smithson
Environmental Engineer Senior

Enclosure: Public Notice

cc: DEQ -TRO File No. 128

COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY
TIDEWATER REGIONAL OFFICE
5636 Southern Boulevard, Virginia Beach, Virginia 23462
(757) 518-2000 Fax (757) 518-~~2103~~ 2009
www.deq.virginia.gov

L. Preston Bryant, Jr
Secretary of Natural Resources

David K. Paylor
Director

Francis L. Daniel
Regional Director

August 25, 2009

The Virginian Pilot
Legal Advertising Department
150 W. Brambleton Avenue
Norfolk, VA 23510

RE: VPDES Permit No. VA0068209 , VPDES Permit Reissuance
Chesapeake Regional Airport, Chesapeake, VA

Dear Sirs:

Please publish the attached public notice in the earliest possible edition of your paper once a week for two consecutive weeks, exactly seven days apart. Proceed with the publishing as follows:

1. Publish it in the legal section in the smallest print possible, and **add the first public notice issue date to the public notice.**

2. Please **bill this ad to the Agent's address** on the billing document attached to the e-mail.

3. **In accordance with the authorization on the Billing Document please send the affidavit** certifying that the public notice has been published as requested to this office to the attention of Jeannie Mastice.

If you have any questions, please contact Ms. Jeannie Mastice at (757) 518-2144.

Sincerely,

Robert E. Smithson
Environmental Engineer Senior

cc: DEQ-File 128 PPP
Facility

COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY
TIDEWATER REGIONAL OFFICE
5636 Southern Boulevard, Virginia Beach, Virginia 23462
(757) 518-2000 Fax (757) 518-2103
www.deq.virginia.gov

L. Preston Bryant, Jr
Secretary of Natural Resources

David K. Paylor
Director

Francis L. Daniel
Regional Director

July 31, 2009

Mr. Joseph E. Love, Airport Manager
Chesapeake Regional Airport
2800 Airport Road.
Chesapeake, Va. 23323

RE: VPDES Permit No. VA0068209 - Permit Reissuance
Chesapeake Regional Airport Wastewater Treatment Plant, Chesapeake, VA

Dear Mr. Love:

The State Water Control Board is considering issuing the referenced permit modification. Please review the enclosed public notice and draft permit package carefully.

Certain public notice procedures must be complied with before the actual permit can be approved. They are as follows:

1. The attached public notice must be published once a week for two consecutive weeks in a newspaper of general local circulation. Please complete, sign, and return the attached authorization form which will allow us to mail the notice to the newspaper and allow the newspaper to bill you for the public notice.
2. A minimum of 30 days will be allowed for public response following the date of the first public notice. If no public response is received, or the public response can be satisfactorily answered, then the permit will be processed. However, if there is significant public response, then we may hold a public hearing. You will be advised if this occurs.

Please return the Public Notice Authorization as soon as possible so that we can continue processing your permit. If you have not submitted the authorization form within 14 days, permit processing will cease.

If you have any questions or comments on the draft permit or public notice requirements, please contact me at (757) 518-2106.

Sincerely,

Robert E. Smithson
Environmental Engineer Senior

Encl: Draft Permit and Fact Sheet
Public Notice
Public Notice Authorization Form

Cc: DEQ TRO File # 128

AUTHORIZATION TO BILL APPLICANT FOR A PUBLIC NOTICE FOR CHESAPEAKE REGIONAL AIRPORT WWTP RE: PERMIT NO. VA0068209

I hereby authorize the Department of Environmental Quality to have the cost of publishing a public notice billed to the Agent/Department shown below. The public notice will be published once a week for two consecutive weeks in the:

Virginian Pilot

Agent/Department to be billed:

Mr. Joseph E. Love, Airport Manager
Chesapeake Regional Airport
2800 Airport Road.
Chesapeake, Va. 23323

Applicant's Address:

Mr. Joseph E. Love, Airport Manager
Chesapeake Regional Airport
2800 Airport Road.
Chesapeake, Va. 23323

Agent's Telephone No: _____

I AM ALSO AUTHORIZING THE VIRGINIAN PILOT TO SEND THE AFFIDAVIT TO:

DEPARTMENT OF ENVIRONMENTAL QUALITY
TIDEWATER REGIONAL OFFICE
ATTN: Ms. Jeannie Mastice
5636 SOUTHERN BOULEVARD
VIRGINIA BEACH, VA 23462

Authorizing Agent: _____
Print Name

Authorizing Agent's _____
Signature

PUBLIC NOTICE OF AN ENVIRONMENTAL PERMIT

Citizens are invited to comment on a proposed permit that will allow the release of treated wastewater, as well as storm water, from a regulated municipal activity into a waterway in Chesapeake, Virginia

PUBLIC COMMENT PERIOD: Until 4:30 PM 30 days from the first date of this public notice (**date to be inserted by newspaper**)

PERMIT NAME: Virginia Pollutant Discharge Elimination System Permit. Owners or operators of facilities that discharge into Virginia waterways from a set location called a point source must apply for this permit.

NAME ADDRESS AND PERMIT NUMBER OF APPLICANT: Chesapeake Regional Airport, 2800 Airport Road, Chesapeake, Va. 23323; Permit No. VA0068209

NAME AND ADDRESS OF FACILITY: Chesapeake Regional Airport Wastewater Treatment Plant, 1777 West Road, Chesapeake, VA 23323

DISCHARGE LOCATION/RECEIVING STREAM/WATERSHED: Chesapeake, VA; discharge to an unnamed tributary to Twelve Foot Ditch to the Northwest River- Chowan and Dismal Swamp watershed (a watershed is the land area drained by a river and its incoming streams).

PROJECT DESCRIPTION: The Chesapeake Regional Airport has applied to the Department of Environmental Quality (DEQ) for the reissuance of a permit for treated domestic waste water, as well as industrially related storm water discharges from a small airport. The applicant proposes to discharge at a rate of .01 million gallons per day. The permit will limit the following pollutants to amounts that protect water quality –outfall 001: pH, biochemical oxygen demand, total suspended solids, dissolved oxygen, ammonia nitrogen, fecal coliform and total residual chlorine. Generated sludge will be pumped and hauled by Duck's Septage Lagoon Service to their treatment facility in Windsor,Virginia (Isle of Wight Co.); Outfall 005: pH, total suspended solids and oil & grease. A storm water pollution prevention plan is required for the facility.

TO COMMENT TO DEQ: via e-mail, fax or postal mail. You must include your name, address and telephone number plus the names and telephone numbers of any people you represent. DEQ must receive your comments during the comment period.

The public may review permit documents at the Tidewater Regional Office every work day by appointment. You may request a public hearing via e-mail, fax or postal mail during the comment period. Requests for hearings must include the reason for the hearing request, the nature of the issue(s) to be raised in the public hearing, your interest and how the facility affects you. DEQ may hold a public hearing, including another comment period, if public response is significant and there are substantial, disputed issues relevant to the permit.

CONTACT: Robert E. Smithson, DEQ Tidewater Regional Office, 5636 Southern Blvd. Va. Beach 23462. Tel: 757-518-2106; Fax: 757-518-2009. E-mail: robert.smithsonjr@deq.virginia.gov

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COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY
TIDEWATER REGIONAL OFFICE
5636 Southern Boulevard, Virginia Beach, Virginia 23462
(757) 518-2000 Fax (757) 518-2103
www.deq.virginia.gov

L. Preston Bryant, Jr
Secretary of Natural Resources

David K. Paylor
Director

Francis L. Daniel
Regional Director

July 8, 2009

Mr. Joseph Love
Chesapeake Regional Airport Authority
1777 West Road
Chesapeake, VA 23323

RE: VPDES Permit Reissuance VA0068209
Chesapeake Regional Airport Wastewater Treatment Plant
Chesapeake, VA

Dear Mr. Love:

Your application received May 11, 2009 with revisions received July 7, 2009 have been reviewed and it appears to be complete. Other reviews of the application will be required by state agencies to ensure that public health and the environment will be protected.

The next steps involve assembling the information necessary to develop the permit limitations and then drafting the permit. Once the draft permit is prepared and the appropriate reviews are performed, I will transmit the draft permit and supporting documentation to you for review.

Thank you for your cooperation in submitting the completed application. If you have any questions about our procedures or the status of your draft permit, please feel free to call me at (757) 518-2106.

Sincerely,

Robert E. Smithson
Environmental Engineer Senior

cc: DEQ PPP File #128

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TALBERT & BRIGHT

July 2, 2009

Robert E. Smithson, Jr.
Department of Environmental Quality
5636 Southern Boulevard
Virginia Beach, Virginia 23462

RE: Revised Exhibits
Reissuance of VPDES Permit No. VA0068209
Permit Application
Chesapeake Regional Airport
Chesapeake, Virginia
TBI Project No.: 2213-0902

Dear Mr. Smithson:

Please find included with this letter one (1) copy of the revised drainage exhibits associated with the re-issuance of the VPDES Permit for the Chesapeake Regional Airport. These exhibits are being revised in response to your letter dated June 18, 2009.

To summarize the changes, all outfalls have been re-numbered to match the number and location as shown on the existing table shown in the permit. One point of clarification needs to be made regarding outfall #905. As you will see on the revised sketch, there are two oil/water separators (OWS) that were installed in series. The northern most OWS is located just to the south of the Hangar/Office. This OWS receives runoff from the area where the occasional aircraft is rinsed off. It then drains to the OWS located in front of the Fuel Farm which in turn drains to the canal at the location Outfall 005. This will explain why the coordinates are the same in the old permit. Our belief is that Outfall #905 should be removed and Outfall #005 should remain.

As stated in your letter, your records show that de-icing practices are not done at the facility. This is still a correct statement. No de-icing practices are currently being performed at the airport.

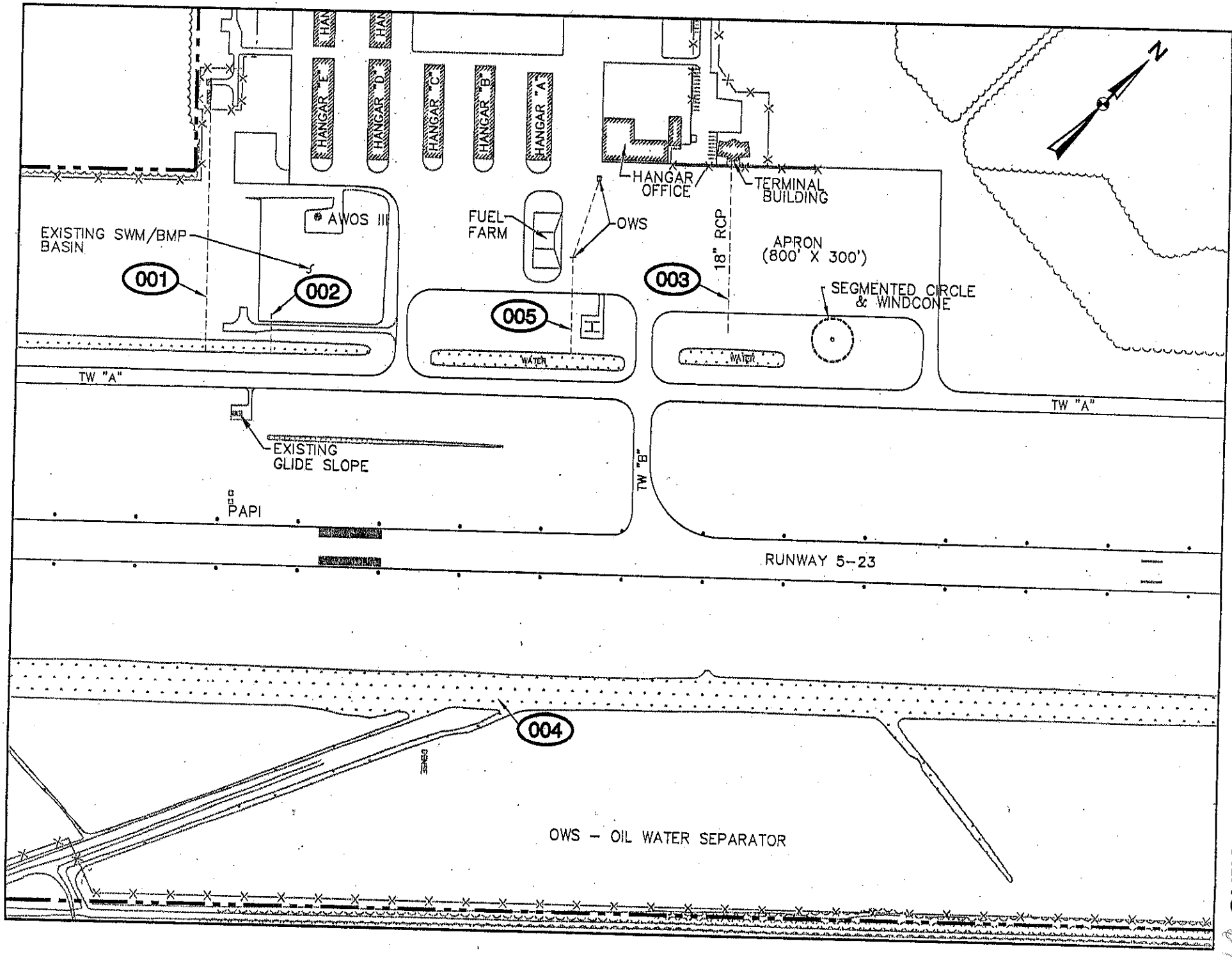
I hope this letter and revised exhibits are sufficient to answer your questions and to clear up the issue regarding the outfall designations. If you have any questions or require additional information, please do not hesitate to give me a call at 804-768-6878 or contact me by email at *speterson@tbiric.com*.

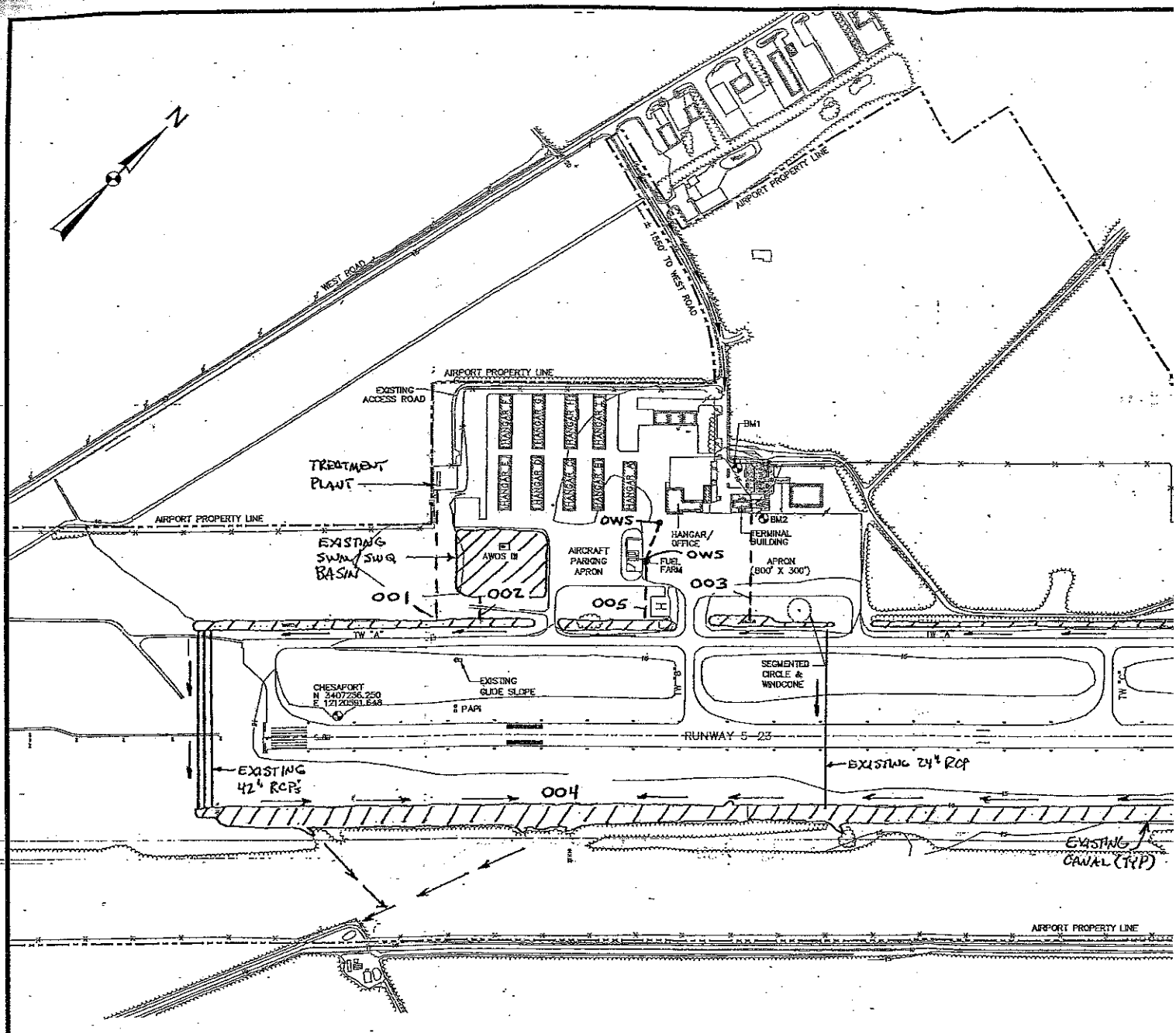
Sincerely,

Steven T. Peterson P.E.
STP/
Enclosures

Cc: Joe Love, CPK w/ enclosure (1 copy)

ENGINEERING & PLANNING CONSULTANTS
WWW.TALBERTANDBRIGHT.COM
10105 KRAUSE ROAD, SUITE 100 CHESTERFIELD, VIRGINIA 23832 804.768.6878 FAX 804.768.6871
RICHMOND, VIRGINIA · WILMINGTON, NORTH CAROLINA · CHARLOTTE, NORTH CAROLINA


HANGAR "E"
HANGAR "D"
HANGAR "C"
HANGAR "B"
HANGAR "A"
HANGAR OFFICE
TERMINAL BUILDING
AWOS III
FUEL FARM
OWS
EXISTING SWM/BMP BASIN
001
002
003
005
18" RCP
APRON (800' X 300')
SEGMENTED CIRCLE & WINDCONE
TW "A"
TW "A"
TW "B"
EXISTING GLIDE SLOPE
PAPI
RUNWAY 5-23
004
OWS - OIL WATER SEPARATOR
N
CHESAPEAKE REGIONAL AIRPORT



CHESAPEAKE REGIONAL AIRPORT

SCALE: 1" = 500'

MAY 1, 2009

VA0068209

COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY
TIDEWATER REGIONAL OFFICE
5636 Southern Boulevard, Virginia Beach, Virginia 23462
(757) 518-2000 Fax (757) 518-2103
www.deq.virginia.gov

L. Preston Bryant, Jr
Secretary of Natural Resources

David K. Paylor
Director

Francis L. Daniel
Regional Director

June 18, 2009

Mr. Joseph E. Love, C.M.
Airport Manager
Chesapeake Regional Airport
2800 Airport Drive
Chesapeake, VA 23323

RE: VPDES Application for Chesapeake Regional Airport, VA0068209

Dear Mr. Love:

We have reviewed the referenced application (received May 11, 2009) for completeness and need some clarification and additional information. The storm water outfall designations 1-5 shown on the large legal size map and application 2F do not coincide with the outfall designations listed in the permit. Please indicate on a revised map which of these outfalls correspond to outfalls 002 (T-hanger), 003 (fueling area), 004 parking apron & fueling area) and 905 (drainage from airport property). Also, we previously have on record that *de-icing practices* are not done at this facility. We need to know if anything has changed in this regard.

The rest of the application appears satisfactory and has been forwarded to the Virginia Dept of Health, Office of Drinking Water and the Division of Shellfish Sanitation for comments. Give me a call if you have questions at (757)-518-2106.

Sincerely,

Robert E. Smithson, Jr.
Environmental Engineer Senior

DEQ PPP file # 128

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RECEIVED – DEQ
JUN 16 2009
Tidewater Regional Office

COMMONWEALTH of VIRGINIA

KAREN REMLEY, MD., M.B.A, F.A.A.P
STATE HEALTH COMMISSIONER

J.WESLEY KLEENE, Ph. D., P.E.
DIRECTOR, Office of Drinking Water

DEPARTMENT OF HEALTH
OFFICE OF DRINKING WATER
Southeast Virginia Field Office

830 Southampton Avenue
Suite 2058
Norfolk, VA 23510
Phone (757) 683-2000
Fax (757) 683-2007

MEMORANDUM

TO: Robert E. Smithson, Jr.
Environmental Engineer Sr.
Department of Environmental Quality – Tidewater Regional Office

DATE: JUN 12 2009

FROM: Daniel B. Horne, P.E.
Engineering Field Director DBH

CITY/COUNTY: City of Chesapeake

PROJECT TYPE: ☐ New ☑ Renewal or Revision

☑ VPDES ☐ VPA ☐ VWPP ☐ JPA ☐ Other: _____

☑ Number: VA0068209

OWNER/APPLICANT: Chesapeake Regional Airport Authority

PROJECT: Chesapeake Municipal Airport

☐ There are no public water supply raw water intakes located within 15 miles downstream or within one tidal cycle upstream of the discharge.

☑ The raw water intake for the Northwest River waterworks is located approximately 10 miles downstream of the discharge. This should be a sufficient distance to minimize the impacts of the discharge. We recommend a minimum Reliability Class of III for this facility.

☐ The raw water intake for the _____ waterworks is located _____ miles [downstream/upstream (within one tidal cycle)] of the discharge.

☐ Please forward a copy of the Draft Permit for our review and comment.

☐ Comments:

Prepared by: Renee S. Hall
Renee S. Hall
District Engineer

pc: V.D.H. - Office of Drinking Water, Field Services Engineer
Mr. James K. Walski, P.E. Director, Chesapeake Department of Public Utilities

R:\DIST20B\Chesapeake\GENERAL\Chesapeake Municipal Airport VPDES memo 6-2009.doc

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COMMONWEALTH of VIRGINIA

Department of Health
DIVISION OF SHELLFISH SANITATION
109 Governor Street, Room 614-B
Richmond, VA 23219
Ph: 804-864-7487
Fax: 804-864-7481

MEMORANDUM

DATE: 6/15/2009

TO: Robert E. Smithson, Jr.
Department of Environmental Quality

FROM: Robert E. Croonenberghs, Ph.D., Director
Division of Shellfish Sanitation

SUBJECT: Chesapeake Regional Airport Wastewater Treatment Plant

City / County: Chesapeake

Waterbody: Twelve Foot Ditch / Northwest River

Type: ☑ VPDES ☐ VMRC ☐ VPA ☐ VWP ☐ JPA ☐ Other:

Application / Permit Number: VA0068209

☑ The project will not affect shellfish growing waters.

☐ The Division has no comments on the proposal. The project will involve approved shellfish growing waters, though a change in classification will not be required.

☐ The Division has no comments on the proposal. The project will affect condemned shellfish growing waters and will not cause an increase in the size or type of the closure.

☐ The project will affect condemned shellfish waters and will not cause an increase in the size of the total condemnation. However, a prohibited area (an area from which shellfish relay to approved waters for self-purification is not allowed) will be required within a portion of the currently condemned area. See comments.

☐ A buffer zone (including a prohibited area) has been previously established in the vicinity of this discharge, however, the closure will have to be revised. Map attached.

☐ This project will affect approved shellfish waters. If this discharge is approved, a buffer zone (including a prohibited area) will be established in the vicinity of the discharge. Map attached.

☐ Other.

ADDITIONAL COMMENTS:

Area #:

bks

Smithson,Robert

From: Smithson,Robert
Sent: Wednesday, June 03, 2009 3:24 PM
To: Horne, Daniel (VDH); Howell, Beth (MRC); Stagg, Ben (MRC); Skiles, Keith (VDH)
Cc: McConathy,James
Subject: Permit Application For Review- Permit VA0068209, Chesapeake Municipal Airport, Chesapeake, VA

Attached is a link to the FTP site to access a permit application for your review. Under the folder for the facility listed above on the FTP site, there is a letter for each Agency and the permit application. Please pull the information that you need off the FTP site. The letters and application will remain available for no longer than 30 days. If you have any issues with the site or if you have questions, please feel free to contact me.

ftp://ftp.deq.virginia.gov/wps/PERMIT/TRO/VDH,%20DSS,%20VMRC%20For%20Review/VA0068209%20Ches%20Municipal%20Airport/

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COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY
TIDEWATER REGIONAL OFFICE
5636 Southern Boulevard, Virginia Beach, Virginia 23462
(757) 518-2000 Fax (757) 518-2103
www.deq.virginia.gov

Preston Bryant
Secretary of Natural Resources

David K. Paylor
Director

Francis L. Daniel
Regional Director

October 21, 2008

Mr. Joseph E. Love, Manager
Chesapeake Regional Airport Authority
1177 West Road
Chesapeake, VA 23323

Re: Reissuance of VPDES Permit No. VA0068209
Chesapeake Municipal Airport, Chesapeake, VA

Dear Mr. Love:

This letter is to remind you that your VPDES permit will expire on November 8, 2009.

If you wish to continue discharging, you must reapply for the permit. The State Water Control Board's VPDES Permit Regulation requires that we receive a complete application at least 180 days before the existing permit expires. The deadline for submitting the application is May 12, 2009. Early submissions are welcome and will better enable us to complete processing before permit expiration. The instructions and application forms are enclosed. The forms are also available online at the following address: http://www.deq.virginia.gov/vpdes/permitfees.html .

If you would like to request a waiver from any of the sampling or testing requirements in the application forms, you must submit your application and a thorough justification for the request at least 240 days prior to the existing permit's expiration date. These waiver requests must be approved by DEQ and the U. S. EPA at least 180 days before the existing permit expires. DEQ will review your waiver request and, if it is justified, forward it to EPA. Failure to submit the waiver request by the 240-day deadline will result in the waiver being denied.

Upon completing the application, return the original and five copies to the Tidewater Regional Office at the above address. If you have the technology available however, we would prefer that the original signature application and a disk/CD or an e-mail with the application attached be submitted. This would eliminate the requirement of submitting five copies.

We have also enclosed a pamphlet on Electronic DMR submittal and are encouraging all facilities to consider using this system for your DMR reporting.

There is no application fee associated with this re-issuance process. The legislature developed a new fee structure effective July 1, 2004, that eliminated application fees for VPDES and VPA permits. In place of the application fee, the new regulation imposes an annual permit fee. You will be billed by DEQ in the fall of each year. Please call me at (757) 518-2106 if you have any questions.

Sincerely,

Robert E. Smithson
Environmental Engineer Senior

Encl: Application
cc: DEQ-TRO File 128 PPP

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF ENVIRONMENTAL QUALITY
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
DISCHARGE MONITORING REPORT(DMR)

Municipal Minor 06/19/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Chesapeake Regional Airport
ADDRESS 1777 West Rd
Chesapeake VA 23323
FACILITY LOCATION 1777 West Road, Chesapeake, VA 23323

VA0068209	001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM				TO			

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
001 FLOW	REPORTD				*********	*********	*********				
	REQRMNT	0.010	NL	MGD	*********	*********	*********			1/DAY	EST
002 PH	REPORTD	*********	*********			*********					
	REQRMNT	*********	*********		6.0	*********	9.0	SU		1/DAY	GRAB
003 BOD5	REPORTD				*********						
	REQRMNT	0.76	1.1	KG/D	*********	20	30	MG/L		1/M	GRAB
004 TSS	REPORTD				*********						
	REQRMNT	0.76	1.1	KG/D	*********	20	30	MG/L		1/M	GRAB
006 COLIFORM, FECAL	REPORTD	*********	*********		*********		*********				
	REQRMNT	*********	*********		*********	200	*********	N/CML		1/M	GRAB
007 DO	REPORTD	*********	*********			*********	*********				
	REQRMNT	*********	*********		6.0	*********	*********	MG/L		1/DAY	GRAB
039 AMMONIA, AS N	REPORTD	*********	*********		*********						
	REQRMNT	*********	*********		*********	3.4	3.4	MG/L		1/M	GRAB
157 CL2, TOTAL CONTACT	REPORTD	*********	*********			*********	*********				
	REQRMNT	*********	*********		1.0	*********	*********	MG/L	3	1/DAY	GRAB

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QL's: BOD5 = 5.0 mg/l; TSS = 1.0 mg/l; CL2 = 0.1 mg/l (100 ug/l); NH3-N = 0.20 mg/l

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW(M.G.)	TOTAL BOD5(K.G.)

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

OPERATOR IN RESPONSIBLE CHARGE			DATE		
TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.	YEAR	MO.	DAY
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE			
TYPED OR PRINTED NAME	SIGNATURE		YEAR	MO.	DAY

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Chesapeake Regional Airport
ADDRESS 1777 West Rd
Chesapeake VA 23323
FACILITY LOCATION 1777 West Road, Chesapeake, VA 23323

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF ENVIRONMENTAL QUALITY
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
DISCHARGE MONITORING REPORT(DMR)

VA0068209	001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM				TO			

Municipal Minor 06/19/2009

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
165 CL2, INST RES MAX	REPORTD	*********	*********		*********						
	REQRMNT	*********	*********		*********	8.0	9.6	UG/L		1/DAY	GRAB
213 CL2, INST TECH MIN LIMIT	REPORTD	*********	*********			*********	*********				
	REQRMNT	*********	*********		0.6	*********	*********	MG/L		1/DAY	GRAB
	REPORTD										
	REQRMNT									*******	
	REPORTD										
	REQRMNT									*******	
	REPORTD										
	REQRMNT									*******	
	REPORTD										
	REQRMNT									*******	
	REPORTD										
	REQRMNT									*******	
	REPORTD										
	REQRMNT									*******	

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QL's: BOD5 = 5.0 mg/l; TSS = 1.0 mg/l; CL2 = 0.1 mg/l (100 ug/l); NH3-N = 0.20 mg/l

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW(M.G.)	TOTAL BOD5(K.G.)

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

OPERATOR IN RESPONSIBLE CHARGE			DATE		
TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.	YEAR	MO.	DAY
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE			
TYPED OR PRINTED NAME	SIGNATURE		YEAR	MO.	DAY

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Chesapeake Regional Airport
ADDRESS 1777 West Rd
Chesapeake VA 23323
FACILITY LOCATION 1777 West Road, Chesapeake, VA 23323

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF ENVIRONMENTAL QUALITY
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
DISCHARGE MONITORING REPORT(DMR)

VA0068209	005
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM				TO			

Municipal Minor 06/19/2009

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
001 FLOW	REPORTD	*********			*********	*********	*********				
	REQRMNT	*********	NL	GPD	*********	*********	*********			1/M	EST
002 PH	REPORTD	*********	*********			*********					
	REQRMNT	*********	*********		6.0	*********	9.0	SU		1/M	GRAB
004 TSS	REPORTD	*********	*********		*********	*********					
	REQRMNT	*********	*********		*********	*********	60	MG/L		1/M	GRAB
500 OIL & GREASE	REPORTD	*********	*********		*********	*********					
	REQRMNT	*********	*********		*********	*********	15	MG/L		1/M	GRAB
	REPORTD										
	REQRMNT									*******	
	REPORTD										
	REQRMNT									*******	
	REPORTD										
	REQRMNT									*******	
	REPORTD										
	REQRMNT									*******	

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QL's: TSS = 1.0 mg/l; O & G = 5.0 mg/l

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW(M.G.)	TOTAL BOD5(K.G.)

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

OPERATOR IN RESPONSIBLE CHARGE			DATE		
TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.	YEAR	MO.	DAY
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE			
TYPED OR PRINTED NAME	SIGNATURE		YEAR	MO.	DAY

Facility Name	Permit No	Month	Year	Outfall N	Param No	Param Name	Item	Requirement	Reported	Raw Points SUM	Final Points SUM	3 Months Pts SUM	Raw Pts SUM	WL/NOV	Comments	dte dtrmnd
Chesapeake Regional Airport	VA0068209	MAR	2004	001			Sample incomplete/incorrect, SAMPLE TYPE MISSING FOR SOME PARAMETERS			.2	.0	.0	.0		corrected DMR rcvd 4/27/04	22-Apr-2004
Chesapeake Regional Airport	VA0068209	DEC	2004	001			DMR due 01/10/2005 missing DMR.			1.0	.0	.0	.0		rcvd 1/10/05; confusion over whether info was for 001/005; add. info requested/rcvd; no violation	21-Jan-2005
Chesapeake Regional Airport	VA0068209	FEB	2005	001	039	AMMONIA, AS N	CONCAVG	3.4	10.90	1.0	1.0	1.0	3.0	W2005-07-T-1004		25-Mar-2005
Chesapeake Regional Airport	VA0068209	FEB	2005	001	039	AMMONIA, AS N	CONCMAX	3.4	10.90	1.0	1.0	1.0	3.0	W2005-07-T-1004		25-Mar-2005
Chesapeake Regional Airport	VA0068209	FEB	2005	001			Compliance schedule: VERIFY EXISTING OR SUBMIT NEW O&M MANUAL	02/10/2005		1.0	1.0	1.0	3.0	W2005-07-T-1004		25-Mar-2005
Chesapeake Regional Airport	VA0068209	MAR	2005	001			Compliance schedule: VERIFY EXISTING OR SUBMIT NEW O&M MANUAL	02/10/2005	04/18/2005	1.0	1.0	2.0	1.0	W2005-07-T-1004		27-Apr-2005
Chesapeake Regional Airport	VA0068209	APR	2006	001	006	COLIFORM, FECAL	CONCAVG	200	280	1.0	1.0	1.0	1.0	W2006-06-T-1008		24-May-2006
Chesapeake Regional Airport	VA0068209	APR	2008	001	157	CL2, TOTAL CONTA	CONCMIN	1.0	0.99	.2	.0	.0	.0		1 EXCEPTION RPTD.; 3 ALLOWED	22-May-2008
Chesapeake Regional Airport	VA0068209	JUL	2008	001	006	COLIFORM, FECAL	CONCAVG	200	300	1.0	1.0	1.0	1.0	W2008-09-T-1001		22-Aug-2008
Chesapeake Regional Airport	VA0068209	DEC	2008	001			no explanation for 0.4 cmin for pram 213 (lim 0.6)			.2	.2	1.7	.7			26-Jan-2009
Chesapeake Regional Airport	VA0068209	DEC	2008	001	213	CL2, INST TECH MI	CONCMIN	0.6	0.4	.5	.5	1.7	.7			26-Jan-2009
Chesapeake Regional Airport	VA0068209	JAN	2009	001	165	CL2, INST RES MAX	improper reporting for pram 165 cl2inst res max - rptd 0.0 for cavg & cmax			.2	.2	.9	.2			24-Feb-2009
Chesapeake Regional Airport	VA0068209	FEB	2009	001			reported a "0" value for pram 165 CL2; should be <QL			.2	.2	1.1	.2			23-Mar-2009
Chesapeake Regional Airport	VA0068209	MAR	2009	001			rptd "0" for pram #165 Cle inst res max; should be <QL			.2	.2	1.3	.2			23-Apr-2009
Chesapeake Regional Airport	VA0068209	APR	2009	001			reported a "0" value for pram 165 CL2; should be <QL			.2	.2	1.5	.2			27-May-2009
Chesapeake Regional Airport	VA0068209	MAY	2009	001			reported a "0" value for pram 165 CL2; should be <QL			.2	.2	1.7	.2			23-Jun-2009
Chesapeake Regional Airport	VA0068209	DEC	2004	005			DMR due 01/10/2005 missing DMR.			1.0	.0	.0	.0		dmr rcvd 1/10/05; had mistakenly put wrong outfall no. on DMR	21-Jan-2005
Chesapeake Regional Airport	VA0068209	AUG	2005	005	002	PH	CONCMIN	6.0	0.0	.5	.5	.5	.5			29-Sep-2005
Chesapeake Regional Airport	VA0068209	MAR	2006	005			IMPROPER MONITORING PERIOD - NOTED AS 1/106-1/31/06; SHOULD BE 3/1/06-3/31/06			.2	.2	.2	.2		CORRECTED DMR RCVD 7/5/06	27-Apr-2006
Chesapeake Regional Airport	VA0068209	SEP	2008	005	500	OIL & GREASE	CONCMAX	15	29	1.0	1.0	1.0	1.0	W2008-11-T-1005		27-Oct-2008

Facility Name	Permit No	Month	Year	Outfall N	Param No	Param Name	Item	Requirement	Reported	Raw Points SUM	Final Points SUM	6 Months Pts SUM	Raw Pts SUM	WL/NOV	Comments	dte dtrmnd
Chesapeake Regional Airport	VA0068209	FEB	2009	**005**			reported a "0" value for flow & values for other 3 prams - ltr indicates "no planes washed for Feb. '09". No discharge should be reported - amended DMR requested; amended dmr rcvd 3/27/09			.2	.0	1.0	.0			23-Mar-2009